

CATALOG 20



"Jorgensen"®

"Pony"®

CLAMPS

ADJUSTABLE CLAMP COMPANY

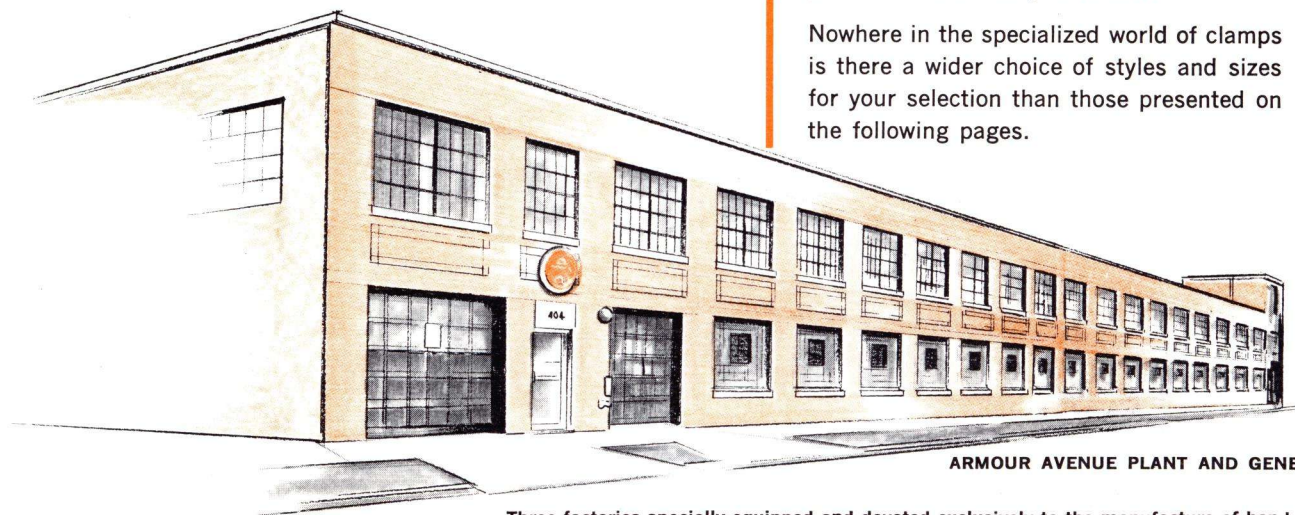
417 N. ASHLAND AVE. • CHICAGO, ILL. 60622 • Phone: (312) MOOnroe 6-0640



ASHLAND AVENUE PLANT



KINZIE STREET PLANT



ARMOUR AVENUE PLANT AND GENERAL OFFICES

Three factories specially equipped and devoted exclusively to the manufacture of hand clamps.

Any clamp trademarked "Jorgensen" or "Pony" bears an unmistakable symbol of **excellence**. It includes a corresponding responsibility toward a tradition and a world-wide reputation for leadership of over half a century in the design, engineering and manufacture of clamps.

Each of the over forty different "Jorgensen" and "Pony" clamp styles is designed to perform a particular clamping function. Many are original designs that are frequently copied but never equaled. Others have exclusive, patented features which offer greater speed, economy and utility value. All "Jorgensen" and "Pony" clamps are preferred by craftsmen and shop experts who know and appreciate the in-service performance of really fine tools.

Nowhere in the specialized world of clamps is there a wider choice of styles and sizes for your selection than those presented on the following pages.

since 1903

over 70 years of clamp manufacturing

FULL WARRANTY

All clamping devices manufactured by Adjustable Clamp Company are intended solely for use as "hand tools," and are designed to accept such reasonable clamping load as may be applied by hand. They are warranted against faulty workmanship or material. Any tool(s) claimed to be defective must be returned to the manufacturer, Adjustable Clamp Company, 417 North Ashland Avenue, Chicago, Illinois 60622, shipping charges prepaid, and if any defect due to faulty workmanship or material is found the manufacturer will make free repair or replacement within sixty (60) days of the receipt of the returned tool(s).

IN NO EVENT SHALL THE MANUFACTURER BE LIABLE FOR CONSEQUENTIAL DAMAGE OF ANY KIND, INCLUDING LOSS OR DAMAGE TO PROPERTY OR INJURY TO PERSON.

This warranty gives you specific legal rights. You also have implied warranty rights. In the event of a problem with warranty service or performance, you may be able to go to a Small Claims Court, a State Court, or a Federal District Court.

CATALOG 20

ADJUSTABLE CLAMP CO.

"the clamp folks"

417 N. Ashland Ave., Chicago, Illinois 60622
Telephone: MOntroe 6-0640 (Area Code 312)

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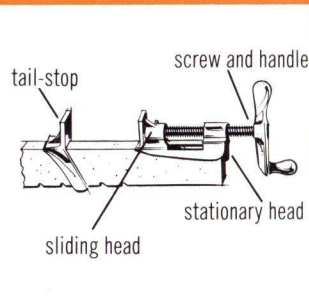
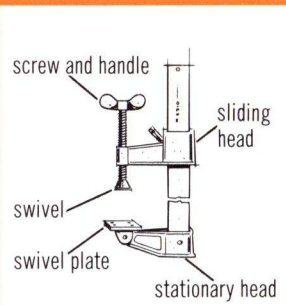
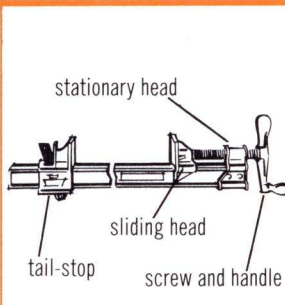
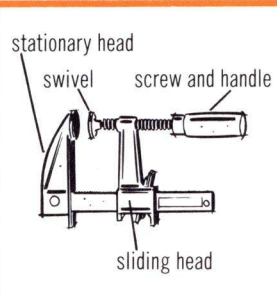
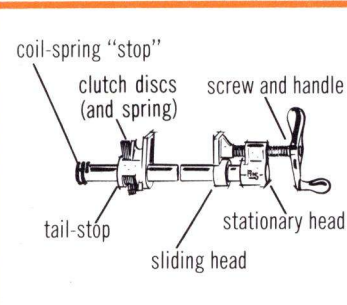
Guides for the selection, use and care of:

Handscrews	pages 4-5
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"C" Clamps	page 21
"C" Clamps for Welding	page 26

STYLE	DESCRIPTION	STOCK NUMBERS (in numerical sequence)	PAGE(S)
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50	Clamp Fixtures	50	8
52	Clamp Fixtures	52	9
53	Clamp Fixtures	53	9
56	Clamp Fixtures	56	9
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65	Clamp Fixtures	65	10
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1	"C" Clamps	102 thru 112-X	23
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8	"C" Clamps (machinists')	802 thru 812	28
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820-S	"C" Clamps (shielded welders')	824-S thru 828-S	27
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12	Band Clamps	1215	19
14	"C" Clamps	1410 thru 1480	See supplementary sheet
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42	Steel Bar Clamps	4206 thru 4230	15
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To help you determine the style of "Jorgensen" or "Pony" Clamp best suited for your purpose, a brief description of the clamps shown in our catalog is given below, plus a short analysis of the service for which each is recommended. Some of the uses suggested may be "new" and extremely helpful. Of course, this chart is necessarily limited; but we hope it will assist you.



CLAMP FIXTURES

to be mounted on black pipe

Make economical, instant-acting bar clamps. No tools required to assemble on threaded pipe. "Multiple-Disc-Clutch" permits zip adjustment to work—holds securely—releases easily.

Clutches encircle pipe, hold top and bottom—will not crush pipe or fill up with filings. Clutches are reversible.

Easy to mount on different lengths of pipe to fit the job.

Style 50—Uses 3/4" pipe. The most popular style (page 8).

Style 52—Uses 1/2" pipe. Light-weight, low-reach design (page 9).

Style 53—"Double-bar" type, uses 1/2" pipe. Bars straddle the work to eliminate buckling (page 9).

Style 56—"Sliding-head" type—can be reversed to push work "apart" instead of pulling it together (page 9).

SLIDING HEAD TYPE

screw is in the "sliding" head

All adjustment is in the sliding head for convenience in close quarters. Widely used in place of "C" Clamps because of instant adjustment to work. "Multiple-Disc-Clutch" permits zip adjustment to work—holds securely—releases easily.

Style 37—Very light-weight, low priced design, popular for light fabricating, assembly and repair work. 2 1/2" reach (page 14).

Style 39—Light-weight design with greater (3 1/2") than average reach (page 14).

Style 42—Light-weight, 2" reach, stronger than No. 39 (page 15).

Style 43—Heavier design, 2 3/4" reach (page 16).

Style 45—Heavier design with "deep" reach—5" (page 16).

FIXED HEAD TYPE

screw is in the "fixed" head

The most widely used general-purpose type of steel bar clamps.

MULTIPLE-DISC-CLUTCH ACTION:

Style 72—Built on "T"-section bars for visible strength and rigidity. No notches to weaken the bar (page 13).

Style 40—Built on flat spring-steel bars for greatest strength for the weight. No notches to weaken bar (page 12).

Style 38—Light, fast-operating for edge-gluing and other light work (page 17).

Style 41—Light, fast-operating for general-purpose use (page 15).

NOTCHED BAR DESIGN

Notches in bar, instead of "Multiple-Disc-Clutch," hold tail-stop under clamping load.

Styles 60 and 61—Built on flat notched spring-steel bars. Not as strong or fast-operating as Nos. 70 and 40 (page 17).

HINGED TYPE

Steel bar clamps with swivel-plate at foot-end. Can be mounted anywhere—swing in arc up to or away from work. Prepositioned clamps swing up to work when wanted—out of the way when not in use. Ideal for production jigs and fixtures—handy on any bench or sawhorse.

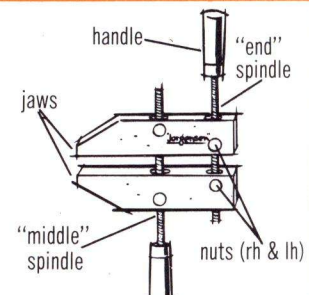
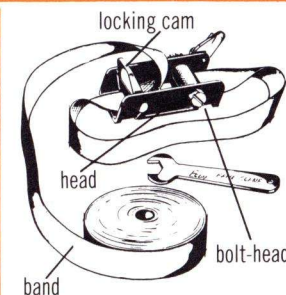
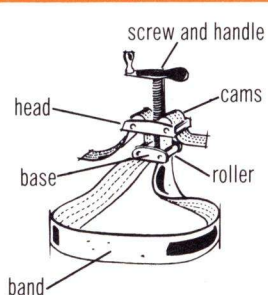
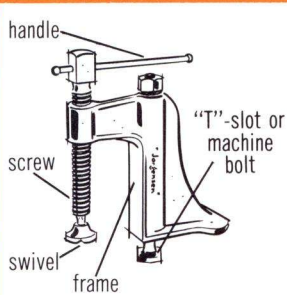
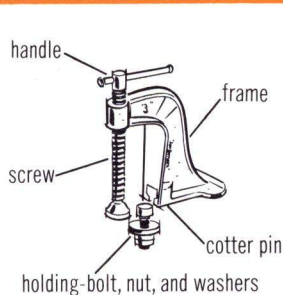
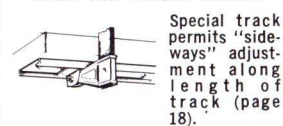
Style 22—Regular service design, 2" reach (page 18).

Style 23—Heavier weight design, 2 3/4" reach (page 18).

Style 24—Light-weight design, "deep" (3 1/2") reach (page 18).

Style 25—Heavier weight design, "deepest" (5") reach (page 18).

TRACK FOR HINGED CLAMPS



HOLD-DOWN CLAMPS

for regular service

Style 16—Mount to hold work in any location—in the middle or along the edge of work surface—a distinct advantage over conventional clamps and vises which function only near the edge of a work-bench or table. Slides "on" and "off" pre-spotted holding-bolt (furnished) in wood or metal bench. "T"-slot or machine table. Feature easy installation, fast adjustment, secure hold (page 6).

for welding service



hammer-blows or accidental contact with the welding torch (page 6).

Style 16-S—Equipped with "Jorgensen" steel shield for positive, non-deteriorating protection against "spatter,"

for heavy-duty service

Style 18—Simplify holding any object on machine or bench for drilling, milling, welding or other fabricating or assembly operation. Ideal in jig or fixture set-ups. Eliminates complicated arrangements of steps, block and other accessories. Easy to install, fast to adjust, hold securely.

Furnished complete with both "T"-slot and machine bolts. Final tightening is accomplished at the top of the clamp where it is convenient to use a wrench (page 7).

for welding service



hammer-blows or accidental contact with the welding torch (page 7).

Style 18-S—Equipped with "Jorgensen" steel shield positive, non-deteriorating protection against "spatter,"

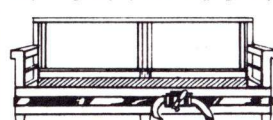
BAND CLAMPS

for heavy-duty service

Style 62—For clamping irregular shapes such as furniture frames, assemblies, tanks, or columns.

Canvas or steel band encircles the work, is drawn tight by screw action. Canvas band, 2" wide, is used for all ordinary applications and is always furnished unless steel band is specified. Steel band, 1 3/4" wide, should be used on round shapes only.

Self-locking cams hold the band securely up to the strength of the band itself—approximately 2,800 lbs. Cam-extensions provide for convenient, easy release with only fingertip pressure (page 19).



for light service

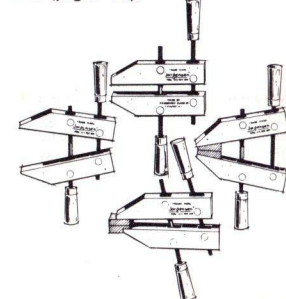
Style 12—For clamping irregular shapes such as chairs, drum tables, and picture frames; also used as a strapping device for securing loads, bundles, cartons, luggage, etc., for transport. Nylon band, 1" wide, is furnished in 15-ft. length.

Band encircles work, is pulled tight through self-locking cam so that it cannot slip. Final tightening is accomplished by a few turns of a small wrench (furnished) or screwdriver (page 19).



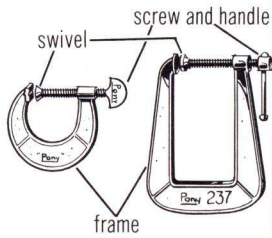
HANDSCREWS

Style J—Most satisfactory device for holding wood, metal, plastics, fabrics—all materials. Will hold round or irregular shapes. Jaws adjust to angles to hold uneven work—hold more securely than metal clamps—will not crawl or twist. Broad area pressure reduces tendency to mar work. Jaws provide greater "reach" over the work. Also available in "non-adjustable" design if specified (pages 4-5).



Another important part of the chart is the "parts" description shown with the illustration. By indicating the name of each principal part, we hope to establish a uniform parts terminology, so that the part ordered or referred to in correspondence will be clearly designated.

ORDERS FOR PARTS SHOULD GIVE STOCK NUMBER OF CLAMP, AND NAME OF PARTS REQUIRED
(Illustrated Parts Price List available separately upon request.)



"C" clamps
VERY LIGHT SERVICE
small sizes

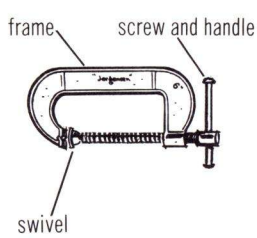
Style 200—Fifteen different frame styles in relatively small sizes ($\frac{5}{8}$ " to 3" maximum opening) designed and manufactured to meet the severe demands of "industrial" service.

Although low in cost, they are correctly designed, liberally proportioned and ribbed to resist "sideways" strain, and SPECIALLY TREATED for greatest possible strength. Rust-proof finish; closely fitted screws (page 22).

OPTIONAL HANDLES



On most designs, optional sliding-pin, thumbscrew, or knurled type handles are available.

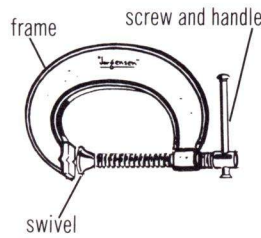


"C" clamps
INDUSTRIAL SERVICE
for regular requirements

Style 1—Most economical all-purpose "Carriage Clamp" design. Opening capacities $2\frac{1}{2}$ " to 12". Correctly designed, liberally proportioned frames. Cold-drawn steel screws (page 23).

Style 2—"Quick-acting" type. Cold-drawn steel screws slide to adjust to work. Recommended only where speed of operation is most important, or where instant-acting bar clamps cannot be used (page 24). See "sliding head" bar clamps before ordering.

Style 170—"Deep throat" design, for reaching around and over. Correctly designed, liberally proportioned frames. Cold-drawn steel screws (page 24).

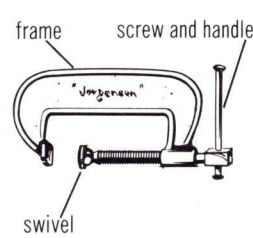


"C" clamps
INDUSTRIAL SERVICE
for heavier requirements

Style 120—"Body Clamps" of heavier, stronger design with "deep" throat. Very reasonably priced. The greatest value in "C" clamps—see "load" limits and prices (page 23).

Style 8—"Machinist's Clamps," a heavy-duty type for machine, boiler, plate and similar shop work. Heavy, ribbed, heat-treated frames (page 28).

Style 820—"Machinist's Clamps," similar to Style 8 described above in general design and application, but features relatively "deep" throat (page 28).

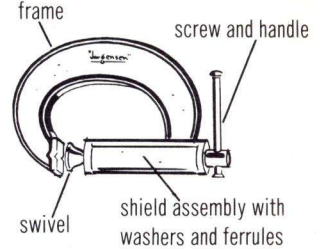


"C" clamps
INDUSTRIAL SERVICE
for extreme requirements drop-forged steel frames

Style 4—The so-called "light" or "regular service" design of drop-forged steel frame "C" clamp. Features relatively deep throat. The most generally used drop-forged "C" clamp design (page 25).

Style 81—The so-called "medium service" design of drop-forged steel frame "C" clamp. Heavier, stronger than style 4 for more demanding requirements (page 25).

Style 82—The so-called "heavy duty" design of drop-forged steel frame "C" clamp. The heaviest and strongest available for the most demanding requirements in service. Furnished only with square-head on the screw for tightening with a wrench (page 25).



"C" clamps
INDUSTRIAL SERVICE
for welding requirements

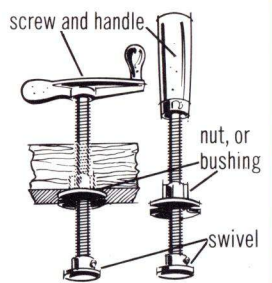
Exclusive patented "Jorgensen" steel shield over the screw provides positive, non-deteriorating protection against "spatter," hammer-blows or accidental contact with the welding torch. Built for the extreme service demanded of welders' tools.

Style 120-S—For regular service. Deep-throat—very strong for the weight (page 26).

Style 8-S—Heavy duty design, $2\frac{1}{2}$ " depth of throat (page 27).

Style 820-S—Heavy duty design, deep throat (page 27).

For other clamp styles specifically designed for welding, see Styles 16-S and 18-S Hold-Down Clamps (pages 6-7).



PRESS SCREWS

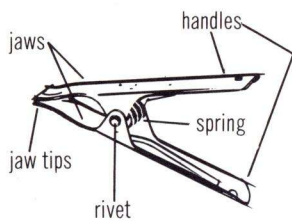
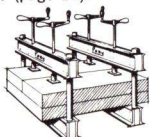
For making up veneer press frames, jigs and fixtures, for wood and metal assembly. May be mounted to press "down," "up," or "sideways." Special literature describes how to assemble veneer press frames of any size using press screws.

Style 67— $\frac{1}{4}$ " dia. screws for industrial service (page 29).

Style 68— $\frac{1}{2}$ " dia. screws for light service (page 29).

VENEER PRESS FRAMES

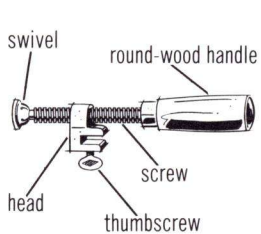
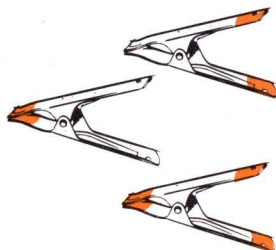
Ready-made frames for single and "small run" veneering and assembly. Available in 18" and 36" widths. Easy to store, easy to use (page 29).



SPRING CLAMPS

Style 32—Convenient, inexpensive, spring-operated jaws hold any material quickly, efficiently. Hand pressure opens the jaws—spring pressure grips the work. Very rapid action. Used wherever relatively light pressure is adequate and where speedy application and removal are important.

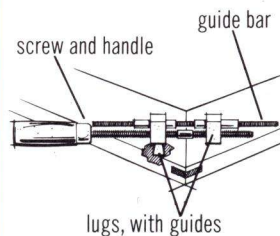
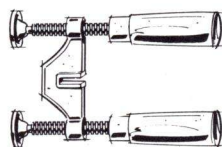
Opening capacities—1", 2", $2\frac{3}{4}$ " and 4". Some sizes can be furnished with poly-vinyl protected tips and/or handles (page 20).



EDGE-CLAMP FIXTURES

Style 64—For applying pressure to work edge or to center area of wide surfaces. Attach to any steel bar clamp having a bar no more than $\frac{3}{4}$ " thick (such as "Jorgensen" styles, 43 or 45 bar clamps). Pressure is applied at right angle to the bar (page 30).

Stock No. 642 double-screw design straddles bar of clamp to apply even pressure to work on both sides of the bar (page 30).

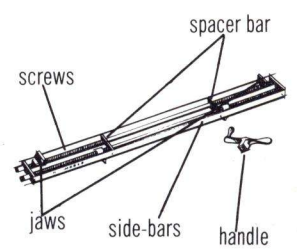


MITER CLAMPS

Style 63—For mitering heavy, flat castings. Lugs pull any degree mitre, with no creeping or pulling away. Used where back of work can be bored with $\frac{5}{8}$ " dia. blind holes (page 30).

For other practical, economical suggestions for mitering, refer to special literature with instructions on how to build your own mitering jig.

Also consider the applicable features of Styles 62 and 12 Band Clamps for mitering (page 19).



PILING CLAMPS

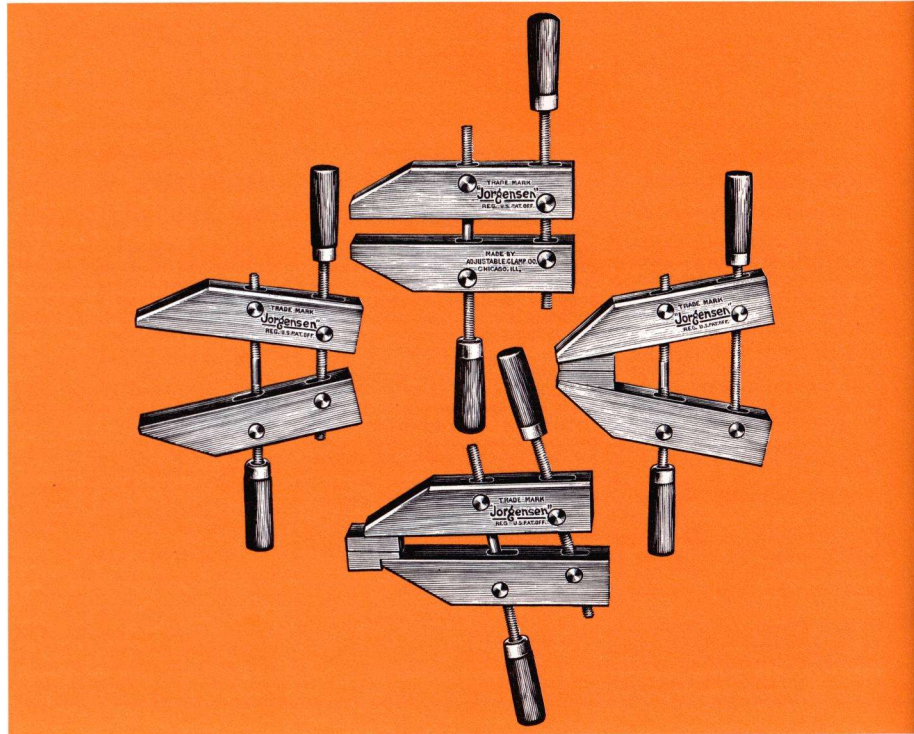
Style 21—Save space and time in production gluing by "piling" glued stock. Screw-operated jaws give positive pressure. Each layer of work is clamped from "above" and "below" to eliminate any tendency of stock to "buckle." Handle any thickness, width, length or height of stock in the same pile. Permit "piling" to any height.

No special starting bars, spacers, trucks, etc. required. Most economical method of quantity gluing (page 31).

"Jorgensen" STEEL SPINDLE HANDSCREWS . . . the best holding device

WORKING ADVANTAGES

"Jorgensen" Handscrews have many working advantages over "metal" clamps: The hard-maple jaws hold tighter and over a broader area; the jaws have a "follow-thru" on the work which no metal clamp can provide; they will hold odd shapes or cylindrical forms easily; they will not mar highly finished surfaces; greater "reach" over the work is provided for—with more powerful pressure in proportion to weight; wide distribution of pressure produces better results than the "localized" pressure of other types of clamps; there is no tendency to "crawl" or to twist the work being clamped; and—with only a reasonable amount of care—"Jorgensen" Handscrews will outlast other types making for greater value and economy.



Correct Use Is Speedy . . . Assures Perfect Results

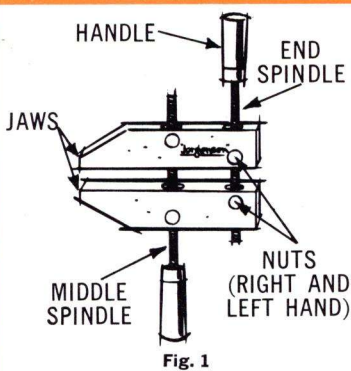


Fig. 1

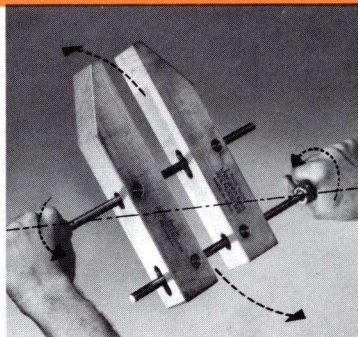


Fig. 2

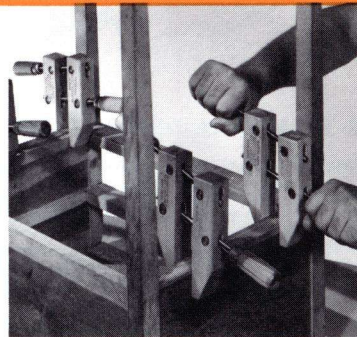


Fig. 3

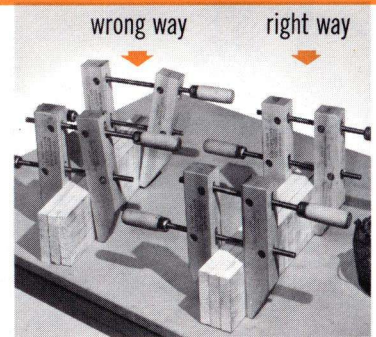


Fig. 4

Learn the habit of grasping the "end" spindle (Figs. 1 and 2) with the right hand—then, the direction for "swinging" or rotating the Handscrew for adjustment will always be the same to open the jaws. Rapid adjustment of the Handscrew is obtained by proper "swinging." Hold handles firmly, arms extended, and by motion of the wrists only, make the jaws revolve around the spindles.

When jaw opening is approximately correct, place the Handscrew on the work with the "end" spindle either to your right, or

in upper position—and with the "middle" spindle as close to the work as possible (Fig. 3). Adjust either or both handles so that the jaws grip work easily and are slightly more open at the end.

Turn the "end" spindle clockwise to close jaws onto the work. Final pressure is applied only by means of the "end" spindle. The "middle" spindle acts as a fulcrum. Make certain that pressure is applied all along the length of the jaws, not just at the end or just at the edge of the work (Fig. 4).

AVAILABLE IN THE MOST COMPLETE RANGE OF SIZES

ADJUSTABLE style "J" stock no.	length of jaws overall, inches	maximum opening between jaws, inches	reach, middle spindle to jaw end, inches	packed, per carton	ship. wt. per doz., pounds
5/0	4	2	2	6	6
4/0	5	2½	2½	6	8
* 3/0	6	3	3	6	14
* 2/0	7	3½	3½	6	18
* 0	8	4½	4	6	24
* 1	10	6	5	6	32
* 2	12	8½	6	6	54
* 3	14	10	7	6	64
* 4	16	12	8	6	92
5	18	14	9	6	112
6	20	14	10	6	120
7	24	17	12	6	144

*Available in "NON-ADJUSTABLE DESIGN" if that is preferred; see following explanation.

The general preference for the "adjustable" design, in which the jaws may be adjusted to angles, has established this type as "standard."

For those who prefer the "non-adjustable" design, in which the jaws remain parallel to each other and cannot be adjusted to angles, such "NON-ADJUSTABLE" type can be furnished, if clearly specified, in sizes #3/0 thru #4 inclusive—at the same price as the "adjustable design."

SPECIFICATIONS:

Every "Jorgensen" Handscrew is manufactured by us in our own factory. The "Jorgensen" trademark stamped on every jaw is an unconditional guarantee as to workmanship and material.

Jaws: Carefully selected and properly seasoned HARD MAPLE, perfect in grain; inspected, machined, oil-finished, reinspected and tested.

Spindles and Nuts: Cold-drawn steel with special rapid-type threads of test-proven durability and strength.

Handles: HARD MAPLE, with extra-heavy steel ferrules. Will not come loose.

GENUINE "JORGENSEN" HAND-SCREWS, the "original," have been widely imitated, but never equaled, and offer the most complete range of sizes.

USES: For all types of work-holding service—on wood, metal, plastics and other material—"Jorgensen" Handscrews may be used to perform an unlimited number of jobs around industrial

plants, schools, maintenance departments, home workshops—wherever craftsmen are at work. The illustrations below suggest only a few typical uses.

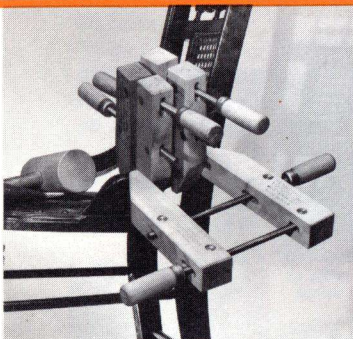


Fig. 5

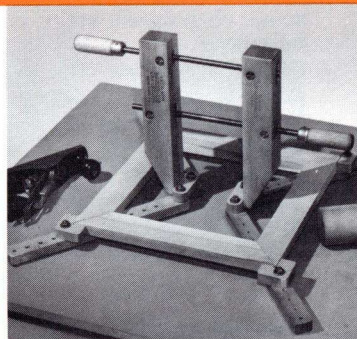


Fig. 6

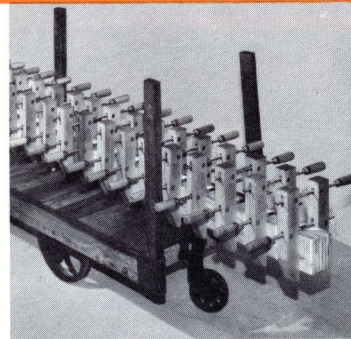


Fig. 7

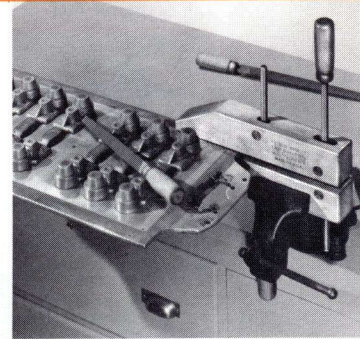


Fig. 8

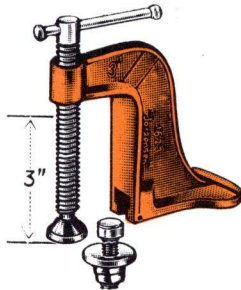
Fig. 5—Handscrews are ideal for repair and assembly of all types of fine furniture because they do not mar highly finished surfaces, and will grip irregular shapes without twisting or crawling.

Fig. 6—A Handscrew applies secure holding pressure for easy to assemble mitering jig. (Write for Bulletin No. 67-MC with full instructions on how to make this low-cost, efficient device that adjusts to any size frame).

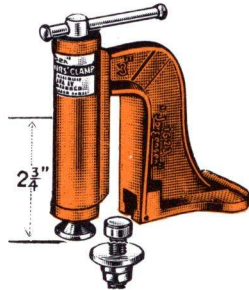
Fig. 7—Handscrews are used for gluing all types of work—on both custom and production operations—because they provide the advantages of even distribution of pressure on the work, and are fast and easy to apply and remove.

Fig. 8—One of the more imaginative uses combines the Handscrew with a vise—a vise within a vise—to hold the work securely and in a convenient position for additional operations such as carving, filing, or shaping.

"Jorgensen" HOLD-DOWN CLAMPS



No. 1623

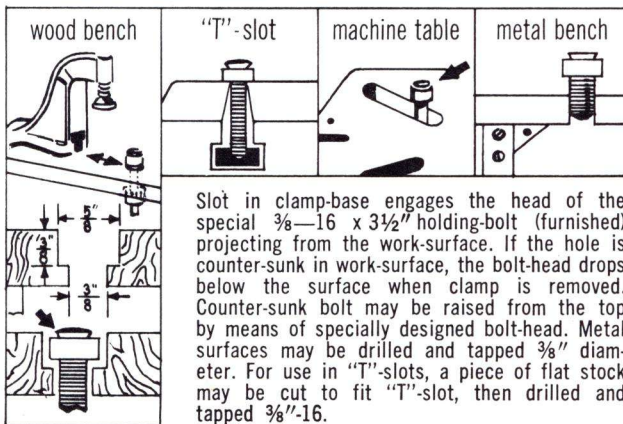


No. 1623-S

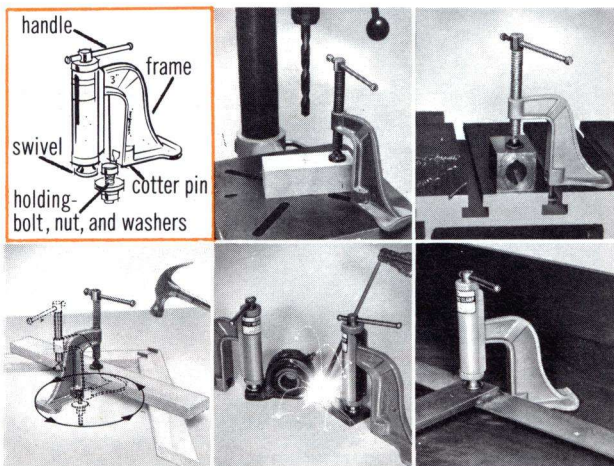
REGULAR SERVICE STYLE NO. 16

U. S. Pat. Nos. 2,221,326—2,512,528—2,661,783

MOUNT CONVENIENTLY ANYWHERE, SUCH AS:



• **USES** For regular service—to hold work where it is most convenient—in the middle or near the edge of wood or metal benches, "T"-slot or machine tables. Doubles as a vise along the side of a bench. For woodworking, welding, metalworking, maintenance, carpentry.



STYLE 16 / WORKING ADVANTAGES

Style No. 16 "Jorgensen" Hold-Down Clamps mount anywhere a $\frac{3}{8}$ -16 x $3\frac{1}{2}$ " holding-bolt (furnished) can be installed—in wood or metal surfaces. This is a distinct advantage over conventional clamps and vises which function only near the edge of a workbench or table.

Without the use of tools of any kind, the clamp *slides onto* pre-spotted holding-bolt, ready to go to work instantly. Pressure is applied to work by screw adjustment. Clamp *slides off* bolt-head to be put away when not in use. When hole is counter-sunk (see illustration opposite), bolt-head drops below surface, leaving work-area clear and uncluttered. Clamp *swivels* 360° around holding-bolt to secure work in position at just the right spot or angle.

One clamp with several bolts installed at strategic locations will perform work-holding service in many places throughout the shop.

When installed along the side of a bench for use as a vise, a cotter-pin (furnished) through holes in the clamp-base holds the clamp on bolt-head to keep it in place when screw-pressure is released.

FOR WELDING SERVICE, the Number 1623-S is equipped with patented "Jorgensen" steel shield over the screw—a POSITIVE, protective steel barrier against "spatter," hammer-blows, or accidental contact with the welding torch.

SPECIFICATIONS:

Frame: Correctly designed, liberally proportioned and braced—SPECIALLY TREATED for great strength. Will not weaken from repeated heating and cooling. Orange-color, baked enamel finish.

Screw: COLD-DRAWN STEEL, 9/16" diameter, with deep, smoothly cut threads.

Handle: Sliding VISE-TYPE, to permit working in close quarters.

Swivel: EXCLUSIVE patented "Jorgensen" with steel internal tooth washers for positive "stay on" power (see page 21 for full description).

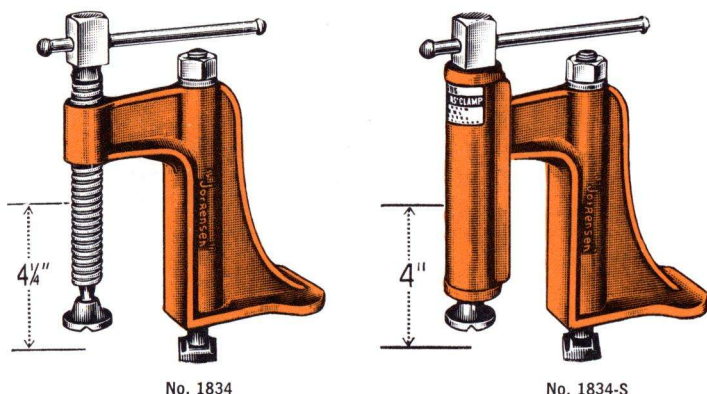
Shield: (Stock No. 1623-S) Heavy gauge steel, provides POSITIVE non-deteriorating protection to clamp screw.

stock no.	opening capacity inches	depth of throat, inches	dia. of screw	ship. wt., dozen, pounds	normal load limit, pounds
1623	3	1 3/4	9/16"	24	3,200
1623-S (SHIELDED SCREW)	2 3/4	1 3/4	9/16"	30	3,200

(Bolts, nuts, and washer are included with each clamp)
Packed singly in shelf boxes.

EXTRA BOLTS, NUTS AND WASHERS

Stock No. 1623-BA: $\frac{3}{8}$ -16 x $3\frac{1}{2}$ " bolt, nut and washers
Shipping weight—2 lbs. per doz.

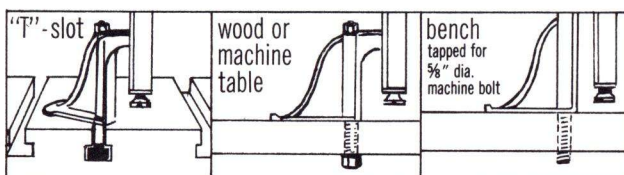


No. 1834

No. 1834-S

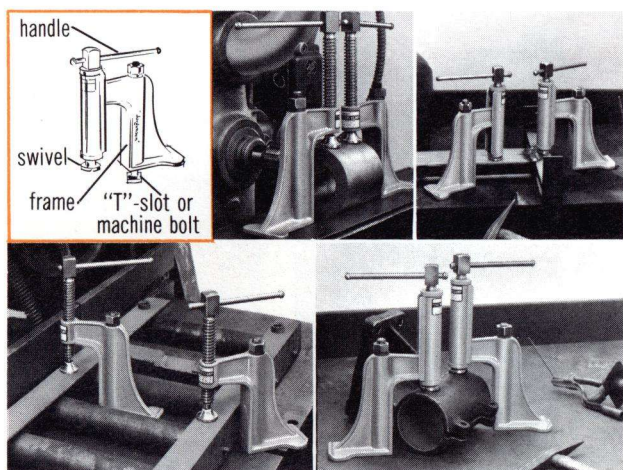
HEAVY DUTY STYLE NO. 18

U. S. Pat. Nos. 2,221,326—2,512,528—2,661,783—D,195,363



Style No. 18 "Jorgensen" Hold-Down Clamps can be used **any place** where a $\frac{5}{8}$ " diameter "T"-slot bolt or a $\frac{5}{8}$ " diameter machine bolt can be accommodated. Both types of bolts are furnished with each clamp, along with suitable washers and nuts. On the "T"-slot machine tables, the "T"-slot bolt is used to install the clamp; the machine bolt may be used for all other applications. In either case, final tightening of the bolt is accomplished at the top of the clamp where it is easy to use a wrench.

• **USES Heavy-Duty Design**—to simplify holding any object on broad area work-surface, on machine or bench, in drilling, milling, welding or other fabricating or assembly operations. Easy to install—fast to adjust—holds securely.



STYLE 18 / WORKING ADVANTAGES

Style No. 18 "Jorgensen" Hold-Down Clamps are for fast, simple clamping of objects on broad area work-surfaces, on machine tables, bench tops, or in jig and fixture set-ups—including those formerly inaccessible places where it has been impossible to use ordinary "C" clamps, bar clamps, or fixture clamps.

They can be used to clamp work at locations or spots to eliminate complicated arrangements of steps, blocks, and other accessories.

Both the 1834 and 1834-S are built for heavy-duty service; and they are priced to make their practical value in your shop doubly attractive.

FOR WELDING SERVICE, the Number 1834-S is equipped with patented "Jorgensen" steel shield over the screw—a **POSITIVE**, protective steel barrier against "spatter," hammer-blows, or accidental contact with the welding torch.

SPECIFICATIONS:

Frame: Correctly designed, liberally proportioned and braced—**SPECIALLY TREATED** for great strength. Will not weaken from repeated heating or cooling. Base, machined flat. Orange-color, baked enamel finish.

Screw: $\frac{13}{16}$ "-dia. COLD-DRAWN STEEL, with deep, smoothly cut threads. Square head permits the use of wrenches.

Handle: Sliding VISE-TYPE, to permit working in close quarters.

Swivel: **EXCLUSIVE** patented "Jorgensen" with steel internal tooth washers for positive "stay on" power. V-notch permits holding round objects (see page 21 for full description).

Shield: (Stock No. 1834-S)—Heavy gauge steel, provides **POSITIVE**, non-deteriorating protection to clamp screw.

Bolts: One $\frac{5}{8}$ "— 11×8 " drop-forged "T"-slot bolt, and one $\frac{5}{8}$ "— 11×9 " steel machine bolt with hardened nut, and washers, furnished with each clamp.

stock no.	opening capacity inches	depth of throat, inches	dia. of screw	ship. wt., dozen, pounds	normal load limit, pounds
1834	4 1/4	2 1/2	13/16"	80	8,500
1834-S (SHIELDED SCREW)	4	2 1/2	13/16"	86	8,500

(One $\frac{5}{8}$ "- 11×8 " "T"-slot bolt; One $\frac{5}{8}$ "- 11×9 " machine bolt; and nut and washers—are included with each clamp)
Packed singly in shelf boxes

EXTRA BOLTS, NUTS AND WASHERS:

Stock No. 1834-MBA: Machine bolt, $\frac{5}{8}$ "- 11×9 ", with hex. steel nut and washers. Shipping weight—18 lbs. per doz.

Stock No. 1834-TSB: "T"-slot bolt, $\frac{5}{8}$ "- 11×8 " with hex. steel nut and washers. Shipping weight—18 lbs. per doz.

"Pony"

CLAMP FIXTURES

FOR USE ON ORDINARY **BLACK PIPE** / WITH **MULTIPLE-DISC-CLUTCH** FOR **"HIGH SPEED"** ADJUSTMENT, SECURE HOLD, EASY RELEASE

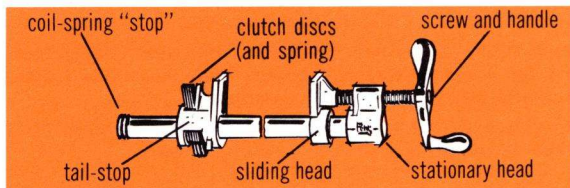
WORKING ADVANTAGES

Here is the handiest tool in any shop—the original, genuine "Pony" Clamp Fixture. One set of fixtures, as illustrated, may be used to make any number of different length bar clamps simply by mounting on different lengths of $\frac{3}{4}$ " black pipe—standard or extra-heavy.

The tail-stop **zips** along the pipe to position against the work, where it automatically grips securely, ready for final screw pressure. After clamping, and after screw pressure has been released, light fingertip pressure on the bottom clutch extensions (clutch extensions are accessible top and bottom) releases the grip on the pipe, permitting the tail-stop to be "backed off" from the work in a single, one-way motion.

The tail-stop is never loose on the pipe. Clutches encircle the pipe, grip top and bottom for secure, evenly distributed pressure that eliminates any tendency to crush pipe; under load, they will not fill up with scrapings from the pipe to reduce holding power. Clutches are reversible, or easily replaced at low cost if ever necessary.

To assemble, screw the head assembly onto the threads at one end of pipe—no tools required. Slide tail-stop onto the other end and add coil-spring stop.



SPECIFICATIONS:

Bar: (not furnished) $\frac{3}{4}$ " standard, or extra-heavy, black pipe cut to any desired length, threaded both ends. Black pipe costs less, works better than galvanized.

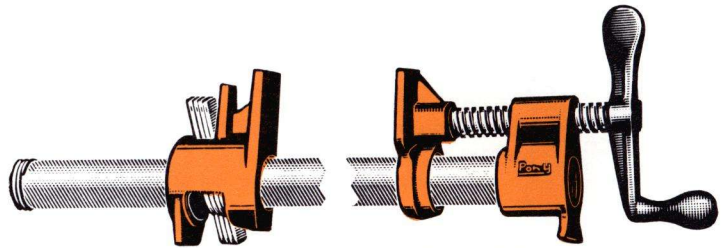
Castings: Best grade MALLEABLE IRON, orange-color baked enamel finish. HARDENED STEEL clutch discs, plated, reversible.

Screw: COLD-DRAWN STEEL, $\frac{5}{8}$ " dia. with deep, smoothly cut threads. Hardened steel thrust bearing at point of screw.

Jaw Reach: Clamping faces $1\frac{3}{4}$ " square.

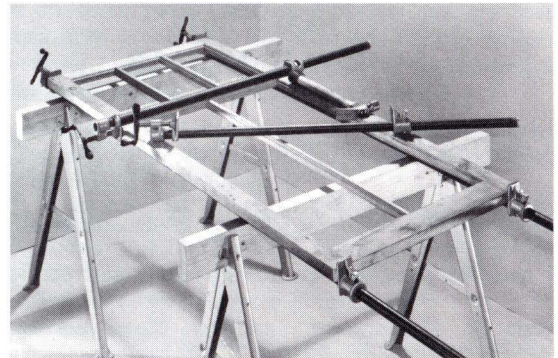
Load-Limit: Normal load-limit, 2,800 lbs. on std. pipe; 3,800 lbs. on extra-heavy pipe.

ORDERING INFORMATION: One "set" of Fixtures makes one clamp. No. 50 CLAMP FIXTURES ONLY (without pipe)—packed one set per shelf box, one dozen sets per shipping carton. Shipping weight—34 lbs. per dozen.

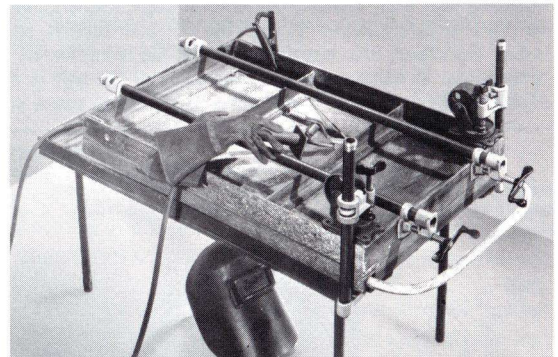


U. S. Pat. Nos. 1,783,713—2,815,778

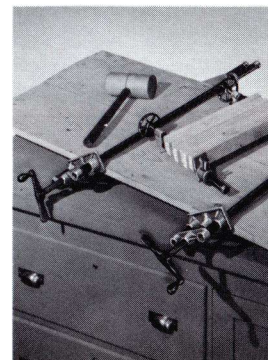
STYLE NO. 50 • uses $\frac{3}{4}$ " black pipe with exclusive "extended" clutch-disc design



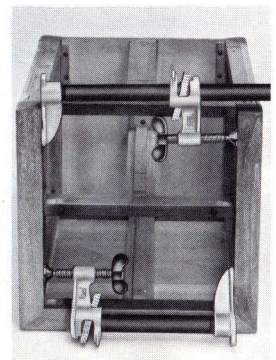
Style No. 50 on typical frame assembly.



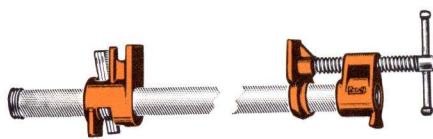
Style Nos. 50 and 56 in metalworking application.



Style Nos. 52 and 53 in customary woodworking application.

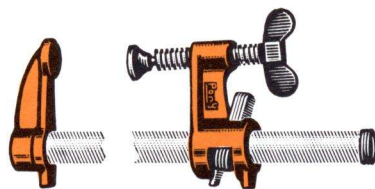


Style No. 56 as used in "inside quarters" can be used similarly on counter-tops and the like.



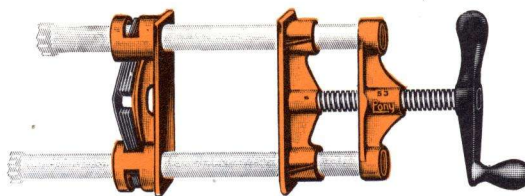
"HIGH SPEED"
STYLE NO. 52
USES 1/2" BLACK PIPE

with exclusive "extended" clutch-disc design



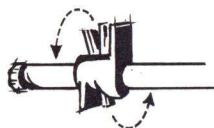
"HIGH SPEED"
STYLE NO. 56
USES 3/4" BLACK PIPE

with exclusive "extended" clutch-disc design



"HIGH SPEED"
STYLE NO. 53
USES 1/2" BLACK PIPE

Light weight—very low in cost. Fixtures mount on ordinary, threaded 1/2" black pipe, any length—without the use of tools. The "Multiple-Disc-Clutch" in the tail-stop zips along the full length of pipe to meet the work. Clutches grip pipe automatically, hold securely—will not slip, or crush the pipe—release easily with slight fingertip pressure on either top or bottom clutch extensions. Clutches are reversible, or easily replaced at low cost if ever necessary.



On style 52, as well as styles 50 and 56, the tail-stop turns *radially around the pipe*, making it possible to apply clamping pressure to parts that are not in direct alignment. Ideal for chairs and other irregularly conformed pieces.

SPECIFICATIONS:

Bar: (not furnished) 1/2" standard, or extra-heavy black pipe, any length, threaded both ends.

Castings: Best grade MALLEABLE IRON, orange-color baked enamel finish. HARDENED STEEL clutch discs, plated, reversible.

Screw: COLD-DRAWN STEEL, 1/2" dia. with deep, smoothly cut threads.

Handle: Sliding VISE-TYPE, to permit working in close quarters.

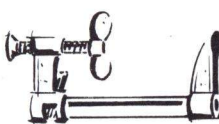
Jaw Reach: Clamping faces approx. 1 1/2" square.

ORDERING INFORMATION

One "set" makes one clamp. Stock No. 52 "Pony" Clamp Fixtures (without pipe) packed one set per shelf box, one dozen sets per shipping carton. Shipping weight—20 lbs. per dozen.

NOTE: Black pipe is recommended for all "PONY" Clamp Fixtures — it works better for this purpose than galvanized, and costs less, too! Avoid "oversize" pipe — 3/4" pipe is not supposed to exceed 1.062", and 1/2" pipe, .848" O.D.

In this design, all adjustment is made from the sliding-head, for use in close quarters, or as an instant-acting "C" clamp of any capacity. The sliding-head turns radially around the pipe as well as along it—an attractive feature in welding, and wherever odd shapes are to be clamped. Mounts on ordinary threaded 3/4" black pipe (EXTRA HEAVY RECOMMENDED)—without tools. The "Multiple-Disc-Clutch" zips to position, grips automatically and securely. Will not slip or crush pipe—is easily released. Clutches are reversible, or easily replaced at low cost.



With both heads reversed, can be used to "push" or spread work—or to apply pressure onto counter-tops under cabinets, etc.

SPECIFICATIONS:

Bar: (not furnished) EXTRA-HEAVY 3/4" black pipe is recommended, any length, threaded both ends. ("Standard" pipe may be used.)

Castings: Best grade MALLEABLE IRON, orange-color baked enamel finish, HARDENED STEEL clutch discs, plated, reversible.

Screw: COLD-DRAWN STEEL, 5/8" dia. with deep, smoothly cut threads.

Handle: MALLEABLE IRON, wing-nut design, shaped to fit the fingers.

Jaw Reach: 2 1/2" from edge of pipe to center-line of screw.

Swivel: EXCLUSIVE patented "Jorgensen," with steel internal tooth washers for positive "stay on" power, 1 1/4" dia.

ORDERING INFORMATION

One set makes one clamp. Stock No. 56 "Pony" Clamp Fixtures (without pipe) packed one set per shelf box, one dozen sets per shipping carton. Shipping weight—28 lbs. per dozen.

This double-bar design exerts pressure on both sides of the work to prevent any tendency to buckle—very useful in edge-gluing, etc. Mounts on regular 1/2" threaded black pipe, any length—without tools. "Multiple-Disc-Clutch" zips to position, grips automatically, holds securely. Clutches are reversible, easily replaced at low cost. (One pipe should be cut 3" longer than the other to facilitate opening the clamp to apply it across the work.)

SPECIFICATIONS:

Bar: Furnished only if ordered (see table below). 1/2" standard, or extra-heavy black pipe may be used, any length, threaded both ends.

Castings: Best grade MALLEABLE IRON, orange-color baked enamel finish. HARDENED STEEL clutch discs, plated, reversible.

Screw: COLD-DRAWN STEEL, 5/8" dia. with deep, smoothly cut threads. Hardened steel thrust bearing at point of screw.

Handle: One-piece indestructible MALLEABLE IRON, balanced type, for use of both hands. Black baked enamel finish.

Jaw Reach: DISTANCE BETWEEN BARS — 3 1/4". Jaw faces 2 1/4" wide.

ORDERING INFORMATION

One "set" makes one clamp. Stock No. 53 "Pony" Double Bar Clamp Fixtures (without pipe) packed one set per shelf box, one dozen sets per shipping carton. Shipping weight—54 lbs.

Also furnished mounted on standard pipe as below:

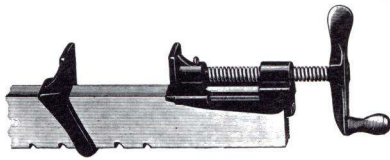
stock no.	maximum opening capacity	ship. wt. per doz.
5324	2 ft.	106 lbs.
5330	2 1/2 ft.	117 lbs.
5336	3 ft.	127 lbs.
5348	4 ft.	148 lbs.
5360	5 ft.	169 lbs.
5372	6 ft.	190 lbs.

Complete clamps shp'd. in bundles of 1/2 doz.

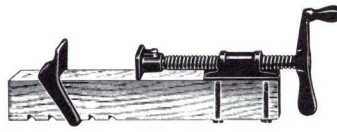
"Pony" CLAMP FIXTURES ARE WIDELY IMITATED... BE SURE YOU GET THE GENUINE!

WOOD BAR CLAMP FIXTURES

FOR THOSE WHO PREFER THE CONVENIENCE, ECONOMY AND OTHER DESIRABLE QUALITIES OF WOOD BAR CLAMPS



STYLE No. 65
for use on wood bars
1 1/4" x 2 1/2"—any length



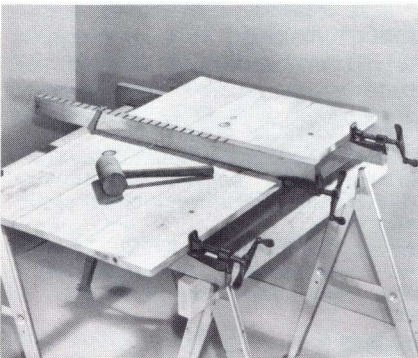
STYLE No. 66
for use on wood bars
1 1/4" x 2 1/2"—any length
(Head assembly can be mounted
on any flat surface)



STYLE No. 6624
for use on ordinary 2 x 4's—
any length
(Head assembly can be mounted
on any flat surface)

Make low-cost, practical, light-weight bar clamps on any piece of lumber of desired length, finished to 1 1/4" x 2 1/2" in cross section.

Sliding head is supported by guides, relieving the screw from bending strain, and will not get out of line.



SPECIFICATIONS:

Screws: COLD-DRAWN STEEL, 5/8" dia. with deep, smoothly cut threads.

Castings: Best grade MALLEABLE IRON, plain finish.

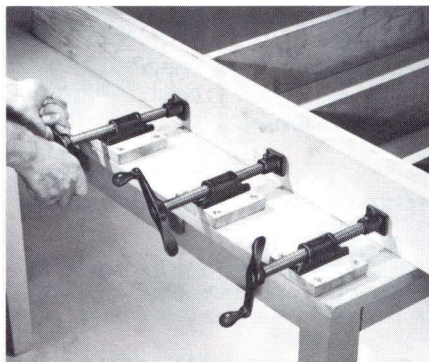
Clamping Faces: 1 1/2" square

ORDERING INFORMATION

Stock No. 65 CLAMP FIXTURES (Irons only—wood bars not furnished). Packed one dozen sets per shipping carton. (One "set" makes one clamp). Shipping weight—32 lbs. per dozen.

Note: We can recommend the clamp fixtures on this page, which are to be mounted on wood bars, as being the finest available. However, they do not provide the speed, flexibility, and strength of "Pony" clamp fixtures which are mounted on pipe. (See styles 50, 52, 53, 56 on preceding pages 8-9).

Furnished with special ribbed bolts, to make economical bar clamps on wood bars of any desired length, 1 1/4" x 2 1/2" in cross section. Also, since the "head assembly" may be mounted on any flat surface or bench top, the No. 66-H Head Assembly is widely used for making up special clamping jigs or frames, and is easily moved from one job to another.



SPECIFICATIONS:

Screws: COLD-DRAWN STEEL, 11/16" dia. with deep, smoothly cut threads.

Castings: Best grade MALLEABLE IRON, black baked enamel finish.

Clamping Faces: Approximately 1 1/2" square.

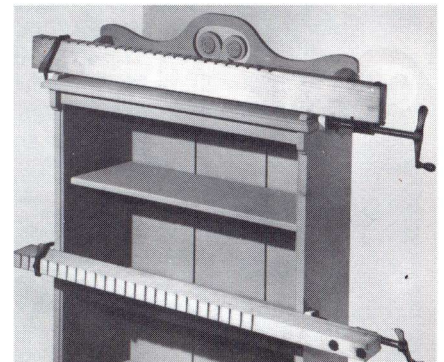
Screw-bearing: Extra-long to assure long life.

ORDERING INFORMATION

Stock No. 66 CLAMP FIXTURES (Irons only—wood bars not furnished). Packed one dozen sets per shipping carton. (One "set" makes one clamp.) Shipping weight—36 lbs. per dozen.

Stock No. 66-H HEAD ASSEMBLY ONLY. Packed one dozen per shipping carton. Shipping weight—30 lbs. per dozen.

Furnished with special ribbed bolts, to make economical bar clamps on any desired length of regular lumber—yard 2 x 4 (1 5/8" x 3 5/8"). Easily removed from one 2 x 4 to another. Also, since the "head assembly" may be mounted on any flat surface or bench tops, the No. 6624-H Head Assembly is widely used for making up special clamping jigs or frames, and is easily moved from one job to another.



SPECIFICATIONS:

Screws: COLD-DRAWN STEEL, 11/16" dia. with deep, smoothly cut threads.

Castings: Best grade MALLEABLE IRON, black baked enamel finish.

Clamping Faces: Approximately 1 1/2" square.

Screw-bearing: Extra-long to assure long life.

ORDERING INFORMATION

Stock No. 6624 CLAMP FIXTURES (Irons only—wood bars not furnished). Packed one dozen sets per shipping carton. (One "set" makes one clamp). Shipping weight—40 pounds per dozen.

Stock No. 6624-H HEAD ASSEMBLY ONLY. Packed one dozen per shipping carton. Shipping weight—30 lbs. per dozen.

"Jorgensen"

STEEL BAR CLAMPS

— EXCLUSIVE FEATURES MAKE THEM THE FINEST OBTAINABLE — PREFERRED BY INDUSTRIES, SCHOOLS AND CRAFTSMEN

"Jorgensen" BAR CLAMPS are manufactured in a variety of styles to perform a variety of uses. They replace out-moded "C" clamps to great advantage in many operations.

"Steel bar clamps" have been associated traditionally with clamping over relatively long lengths, and you will find a good selection of "Jorgensen" steel bar clamps listed for that purpose. In addition, there are a number of styles in "short" lengths and with "deep" reach which will replace the familiar "C" clamp with considerable operating advantage.

The "Multiple-Disc-Clutch" on "Jorgensen" steel bar clamps permits instant adjustment to work, fool-proof operation, and simple maintenance.

NEW PATENTED "Jorgensen" SWIVEL



U. S. Pat. No. 3,151,897

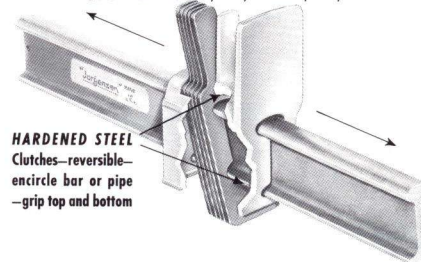
This recent improvement is a typical result of our determination to provide the finest in durability and operating efficiency. Exclusive "Jorgensen" swivels, now used on practically all of our bar clamps which use swivels, have the "stay on" power provided by steel internal tooth washers. Washers positively resist sideways pressure or reverse pull. See page 21 for a more complete description, and a listing of the various sizes available as repair parts.

SOME SPECIFIC SUGGESTIONS ABOUT BAR CLAMPS:

- Select clamps designed to take the load to do the job.
- Consider the use of "Jorgensen" "deep reach" designs in place of conventional "C" clamps.
- Select bar clamps having a depth or "reach" as small as your work permits; greater depth means greater leverage on the bar applied by the same force at the screw.
- A drop of oil on the screw, and on the clutches, now and then — and handy racks for storage of clamps not in actual use (see page 30) — will do much to prolong the service-life of your clamps.
- Any "mechanic" can wreck the best clamp made — if he uses a bar or wrench that is long enough!
- In comparing original cost, or "price," of the bar clamps you are going to order, make "ultimate value" the basis for final selection. "Cheap" clamps usually turn out to be the most expensive ones!

the exclusive, convenient MULTIPLE-DISC-CLUTCH

U. S. Pat. Nos. 1,783,713—2,815,778



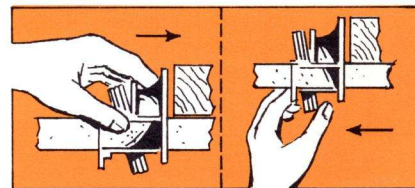
HARDENED STEEL
Clutches—reversible—
encircle bar or pipe
—grip top and bottom

Here is the most noticeable, practical advantage offered by "Jorgensen" steel bar clamps — the "Multiple-Disc-Clutch" that holds securely any place on the bar without notches or other deformities in the bar to weaken it and slow down the operation.

The clutches encircle the bar, grip "top" and "bottom," hold securely, release easily. Clutches are "reversible" and are easily turned around or replaced if that should ever become necessary. This simple construction makes the "Multiple-Disc-Clutch" efficient and trouble-free, easily maintained and repaired — distinct advantages and economy over other designs of locking devices used on clamps.

ADJUSTS INSTANTLY—HOLDS SECURELY RELEASES EASILY

Besides secure holding power, the "Multiple-Disc-Clutch" mechanism offers high speed operation. The tail-stop zips along the bar to position against the work, where it automatically grips securely, ready for final screw pressure.



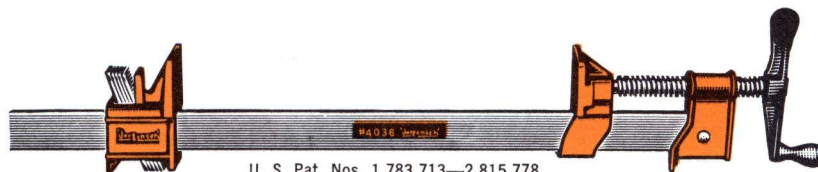
After clamping, and after screw pressure has been released, light fingertip pressure on the bottom clutch extensions (clutch extensions are accessible top and bottom) releases the grip on the bar, permitting the tail-stop to be "backed off" from the work in a single, one-way motion.

NOTE: For details on "Pony" Bar Clamps using ordinary black pipe, see "Pony" Clamp Fixtures — (pages 8-9).

"Jorgensen"

STEEL BAR CLAMPS

EXTRA-STRONG **"HIGH SPEED"** "FLAT" BAR DESIGN FOR ALL REGULAR SERVICE REQUIREMENTS



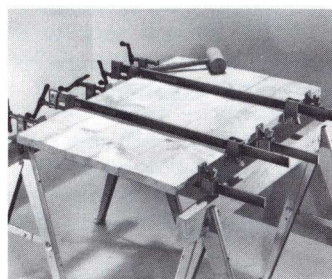
U. S. Pat. Nos. 1,783,713—2,815,778

STYLE NO. 40

with instant-acting MULTIPLE-DISC-CLUTCH (patented "extended" clutch-disc design)

WORKING ADVANTAGES

These clamps are the finest in their field. The round-edge spring-steel bar combines greatest possible strength with relative lightness, for easy handling. There are no notches or other deformity in the bar—the bar retains its full strength. The "MULTIPLE-DISC-CLUTCH" grips the bar automatically at any point—will not slip—is easily released—permits the tail-stop to be zipped to position against the work, the screw being used only to apply or release final pressure. Clutch-discs are reversible, or are easily replaced if ever necessary.



SPECIFICATIONS:

Bar: $1\frac{3}{8}$ " x $\frac{5}{16}$ " round-edge HIGH CARBON (SPRING) STEEL, without notches or other deformity—tensile strength over 100,000 lbs. per sq. in. "Stock number" rolled into bar for easy and permanent identification.

Castings: Best grade MALLEABLE IRON, orange-color baked enamel finish. HARDENED STEEL Clutch Discs, plated, reversible.

Screw: COLD-DRAWN STEEL, $\frac{5}{8}$ " dia. with deep, smoothly cut threads. HARDENED STEEL THRUST BEARING in sliding-head prevents wear at point of screw.

Handle: MALLEABLE IRON, short-throw balanced type regularly furnished and recommended—prevents bending of screw by providing leverage for both hands. Plain "crank-type" handles, with loose wood grips, as shown below, are optional without extra charge if specified on order.

Jaw Reach: 2" from edge of bar, $1\frac{3}{4}$ " wide.

Load Limit: Normal load limit, 7,000 lbs.

stock no.	maximum opening capacity, feet	ship. wt. per doz.
4024	2	86 lbs.
4030	2½	94 lbs.
4036	3	102 lbs.
4048	4	118 lbs.
4060	5	134 lbs.
4072	6	150 lbs.
4084	7	166 lbs.
4096	8	182 lbs.

Packed one-half dozen per bundle.
Special lengths made to order.

All parts carefully fitted to give smooth, positive operation and long life, at low cost. Specify and look for the trademark **"Jorgensen"**

PLAIN CRANK
HANDLE



"Jorgensen" STEEL "I"-BAR CLAMPS

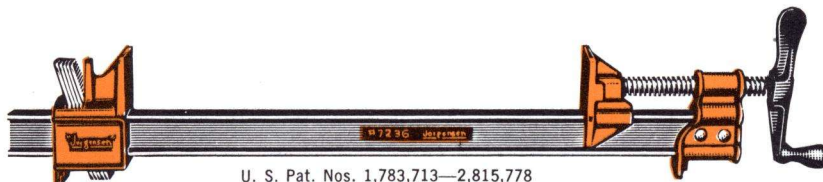
IMPORTANT:

Style #70 "JORGENSEN" "I"-bar clamps has been discontinued in favor of the new **STYLE #72** described below.

The new Style #72 features a slightly different "I"-section steel bar, fully equal to or exceeding the old shape in all service characteristics.

Orders specifying the discontinued Style #70 will be filled with the **NEW STYLE #72**.

POWERFUL **"HIGH SPEED"** "I"-SECTION BAR DESIGN FOR ALL REGULAR SERVICE REQUIREMENTS



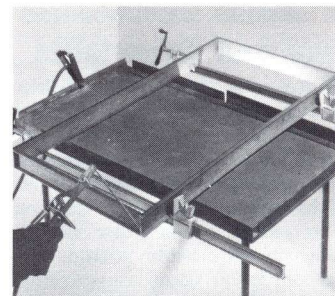
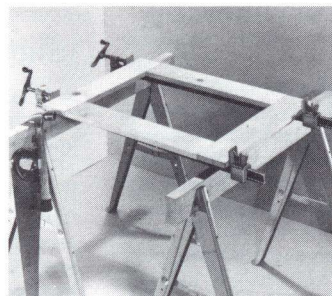
U. S. Pat. Nos. 1,783,713—2,815,778

STYLE NO. 72

with instant-acting **MULTIPLE-DISC-CLUTCH** (patented "extended" clutch-disc design)

WORKING ADVANTAGES

Many clamp users prefer the visible assurance of great strength and stiffness of clamps built on "I"-section bars. The Style No. 72 "JORGENSEN" is built upon the highest quality steel available in that shape. There are no notches or other deformities in the bar—the bar retains its full strength. The "MULTIPLE-DISC-CLUTCH" grips the bar automatically at any point—will not slip—is easily released—permits the tail-stop to be zipped to position against the work, the screw being used only to apply or release final pressure. Clutch-discs are reversible, or easily replaced if ever necessary.



SPECIFICATIONS:

Bar: $1\frac{1}{2}$ " x $\frac{7}{16}$ " x $\frac{5}{32}$ " nominal size steel "I"-bar, rolled to our special order, without notches or other deformity. High carbon content. "Stock number" rolled into bar for easy and permanent identification.

Castings: Best grade **MALLEABLE IRON**, orange-color baked enamel finish. **HARDENED STEEL** Clutch Discs, plated, reversible.

Screw: **COLD-DRAWN STEEL**, $\frac{5}{8}$ " dia. with deep, smoothly cut threads. **HARDENED STEEL THRUST BEARING** in sliding-head prevents wear at point of screw.

Handle: **MALLEABLE IRON**, short-throw balanced type regularly furnished and recommended—prevents bending of screw by providing leverage for both hands. Plain "crank-type" handles, with loose wood grips, as shown below, are optional without extra charge if specified on order.

Jaw Reach: 2" from edge of bar, $1\frac{3}{4}$ " wide.

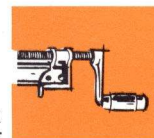
Load Limit: Normal load limit, 6,800 lbs.

stock no.	maximum opening capacity, feet	ship. wt. per doz.
7224	2	88 lbs.
7230	2½	96 lbs.
7236	3	104 lbs.
7248	4	120 lbs.
7260	5	136 lbs.
7272	6	152 lbs.
7284	7	168 lbs.
7296	8	184 lbs.

Packed one-half dozen per bundle.
Special lengths made to order.

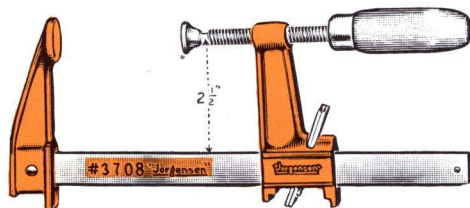
All parts carefully fitted to give smooth, positive operation and long life, at low cost. Specify and look for the trade-mark "**Jorgensen**"

PLAIN CRANK
HANDLE



"Jorgensen"

STEEL BAR CLAMPS STRONG / LIGHTWEIGHT



U. S. Pat. Nos. 1,783,713—2,815,778

STYLE NO. 37

with instant-acting MULTIPLE-DISC-CLUTCH
(patented "extended" clutch-disc design)

PRICED LOW FOR HOMECRAFTERS, PATTERN-MAKERS, WOODWORKERS AND METALWORKERS

WORKING ADVANTAGES

Here is a very light-weight, low-priced, instant-acting bar clamp made to "JORGENSEN" quality standards. It will be appreciated by thousands of industrial, school, and homecraft clamp users who previously have had to depend upon clamps of the "toy" class in their light fabricating, assembly, and repair work. Featuring the "extended" clutch-disc design, the Style No. 37 is instantly adjustable within its capacity range—operates much faster than conventional "C" clamps—is ideal for use in close quarters.

"Reach" is 2 1/2" from edge of bar to center-line of screw. Clutch-discs are reversible, or easily replaced at low cost if ever necessary. A quality tool, popularly priced for volume sale, which will give enduring service within its light-load limits.

SPECIFICATIONS:

Bar: 1/4" x 3/4" round-edge HIGH CARBON (SPRING) STEEL, without notches or deformity—tensile strength over 100,000 lbs. per sq. in. "Stock number" rolled into bar for easy identification.

Castings: Best grade MALLEABLE IRON, orange-color baked enamel finish. HARDENED STEEL Clutch Discs, plated, reversible.

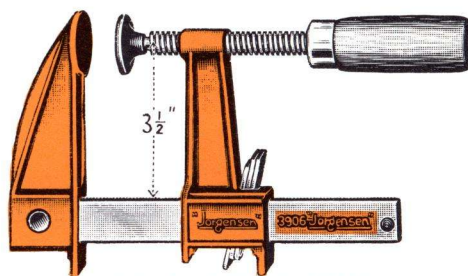
Screw: COLD-DRAWN STEEL, 3/8" dia. with smoothly cut threads. TURNED STEEL swivel, put on to stay.

Handle: Smoothly finished HARD MAPLE, with heavy steel ferrule. Will not come loose.

Jaw Reach: 2 1/2" from edge of bar to center-line of screw.

stock no.	maximum opening capacity, inches	shipping weight per dozen
3706	6	17 lbs.
3712	12	20 lbs.
3718	18	24 lbs.
3724	24	28 lbs.
3730	30	33 lbs.
3736	36	38 lbs.

Packed one-half dozen per carton.



U. S. Pat. Nos. 1,783,713—2,815,778

STYLE NO. 39

with instant-acting MULTIPLE-DISC-CLUTCH
(patented "extended" clutch-disc design)

WORKING ADVANTAGES

A relatively light-weight bar clamp of greater than average "reach," recommended for all applications where speed is essential and space does not permit the use of Handscrews. Being instantly adjustable within its capacity range, it is widely preferred in place of "C" clamps. The "MULTIPLE-DISC-CLUTCH" grips the bar automatically at any point—will not slip—is easily released—permits the sliding-head to be zipped to position against the work, the screw being used only to apply or release final pressure. Clutch-discs are reversible, or easily replaced at low cost if ever necessary.

SPECIFICATIONS:

Bar: 1" x 3/4" round-edge HIGH CARBON (SPRING) STEEL, without notches or other deformity—tensile strength over 100,000 lbs. per sq. in. "Stock number" rolled into bar for easy identification.

Castings: Best grade MALLEABLE IRON, orange-color baked enamel finish. HARDENED STEEL Clutch Discs, plated, reversible.

Screw: COLD-DRAWN STEEL, 1/2" dia. with deep, smoothly cut threads.

Handle: Smoothly finished HARD MAPLE, with extra heavy steel ferrule. Will not come loose.

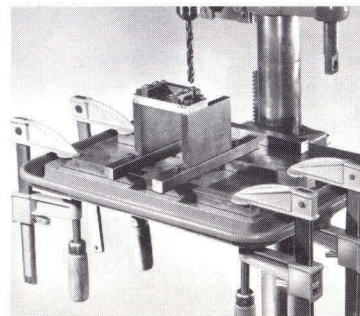
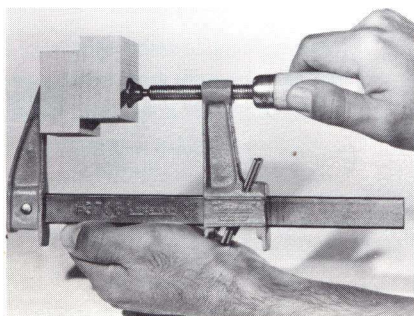
Swivel: EXCLUSIVE patented "Jorgensen" with steel internal tooth washers for positive "stay on" power (see page 21 for full description).

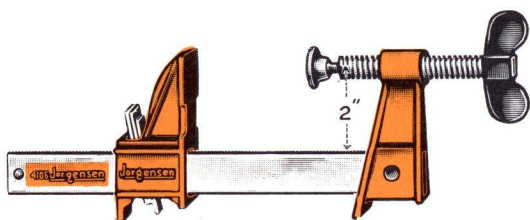
Jaw Reach: 3 1/2" from edge of bar to center-line of screw.

Load Limit: Normal load limit, 1,200 lbs.

stock no.	maximum opening capacity, inches	shipping weight per dozen
3906	6	37 lbs.
3908	8	39 lbs.
3912	12	43 lbs.
3918	18	48 lbs.
3924	24	54 lbs.
3930	30	60 lbs.

Packed one-half dozen per bundle. Special lengths to order.





U. S. Pat. Nos. 1,783,713—2,815,778

STYLE NO. 41

with instant-acting MULTIPLE-DISC-CLUTCH
(patented "extended" clutch-disc design)

WORKING ADVANTAGES

A relatively light-weight, instantly adjustable bar clamp of conventional design. Very popular where speed and ease of handling are required, in wood or metal-working or in any other type of assembly and repair—wherever "extra hands" are necessary. Much lower in cost than heavier clamps. The "MULTIPLE-DISC-CLUTCH" grips the bar automatically at any point—will not slip—is easily released—permits the tail-stop to be zipped to position against the work, the screw being used only to apply or release final pressure. Clutch-discs are reversible, or easily replaced at low cost if ever necessary.

SPECIFICATIONS:

Bar: 1" x $\frac{5}{16}$ " round-edge HIGH CARBON (SPRING) STEEL, without notches or other deformity—tensile strength over 100,000 lbs. per sq. in. "Stock number" rolled into bar for easy identification.

Castings: Best grade MALLEABLE IRON, orange-color baked enamel finish. HARDENED STEEL Clutch Discs, plated, reversible.

Screw: COLD-DRAWN STEEL, $\frac{1}{2}$ " dia. with deep, smoothly cut threads.

Handle: MALLEABLE IRON, wing-nut type, shaped to fit the fingers. **ROUND WOOD HANDLES OPTIONAL IF SPECIFIED.**

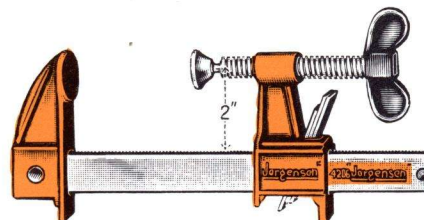
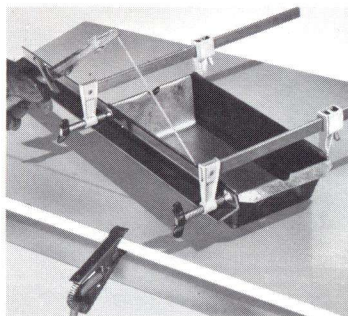
Swivel: EXCLUSIVE patented "Jorgensen" with steel internal tooth washers for positive "stay on" power. (see page 21 for full description.)

Jaw Reach: 2"—from edge of bar to center-line of screw. Tail-stop face $1\frac{1}{8}$ " wide.

Load Limit: Normal load limit, 1,800 lbs.

stock no.	maximum opening capacity, inches	shipping weight per dozen
4106	6	28 lbs.
4108	8	30 lbs.
4112	12	34 lbs.
4118	18	38 lbs.
4124	24	44 lbs.
4130	30	50 lbs.

Packed one-half dozen per bundle. Special lengths to order.



U. S. Pat. Nos. 1,783,713—2,815,778

STYLE NO. 42

with instant-acting MULTIPLE-DISC-CLUTCH
(patented "extended" clutch-disc design)

WORKING ADVANTAGES

A relatively light-weight bar clamp on which all adjustment and final pressure is made from the sliding head. Ideal for use in "close quarters." Being instantly adjustable within its capacity range, it is widely preferred in place of "C" clamps. The "MULTIPLE-DISC-CLUTCH" grips the bar automatically at any point—will not slip—is easily released—permits the sliding-head to be zipped to position against the work, the screw being used only to apply or release final pressure. Clutch-discs are reversible, or easily replaced at low cost if ever necessary.

SPECIFICATIONS:

Bar: 1" x $\frac{5}{16}$ " round-edge HIGH CARBON (SPRING) STEEL, without notches or other deformity—tensile strength over 100,000 lbs. per sq. in. "Stock number" rolled into bar for easy identification.

Castings: Best grade MALLEABLE IRON, orange-color baked enamel finish. HARDENED STEEL Clutch Discs, plated, reversible.

Screw: COLD-DRAWN STEEL, $\frac{1}{2}$ " dia. with deep, smoothly cut threads.

Handle: MALLEABLE IRON, wing-nut type, shaped to fit the fingers. **ROUND WOOD HANDLES OPTIONAL IF SPECIFIED.**

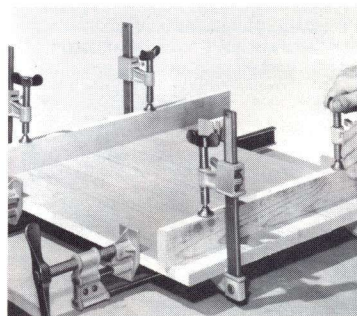
Swivel: EXCLUSIVE patented "Jorgensen" with steel internal tooth washers for positive "stay on" power. (see page 21 for full description.)

Jaw Reach: 2"—bar edge to center-line of screw. Stationary head face $1\frac{1}{8}$ " wide.

Load Limit: Normal load limit, 1,800 lbs.

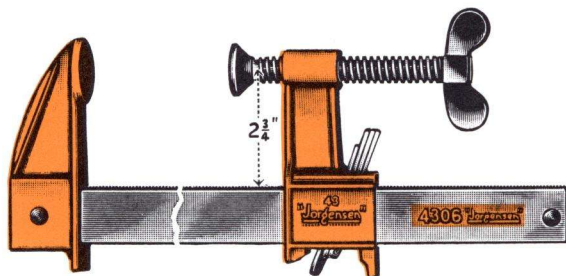
stock no.	maximum opening capacity, inches	shipping weight per dozen
4206	6	28 lbs.
4208	8	30 lbs.
4212	12	34 lbs.
4218	18	38 lbs.
4224	24	44 lbs.
4230	30	50 lbs.

Packed one-half dozen per bundle. Special lengths to order.



"Jorgensen"

STEEL BAR CLAMPS



U. S. Pat. Nos. 1,783,713—2,815,778

STYLE NO. 43

with instant-acting MULTIPLE-DISC-CLUTCH
(patented "extended" clutch-disc design)

WORKING ADVANTAGES

A medium-weight design, with all the adjustment being made from the sliding-head casting leaving the opposite end clear for work in close quarters or "inside." Instantly adjustable, and with a reach of $2\frac{3}{4}$ " from the edge of the bar, this style is widely used in place of conventional "C" clamps. The "MULTIPLE-DISC-CLUTCH" grips the bar automatically at any point—will not slip—is easily released—permits the sliding-head to be zipped to position against the work, the screw being used only to apply or release final pressure. Clutch discs are reversible, or easily replaced if ever necessary.

SPECIFICATIONS:

Bar: $1\frac{3}{8}$ " x $\frac{5}{16}$ " round-edge HIGH CARBON (SPRING) STEEL, without notches or other deformity—tensile strength over 100,000 lbs. per sq. in. "Stock number" rolled into bar for easy and permanent identification.

Castings: Best grade MALLEABLE IRON, orange-color baked enamel finish. HARDENED STEEL Clutch Discs, plated, reversible.

Screw: COLD-DRAWN STEEL, $\frac{5}{8}$ " dia. with deep, smoothly cut threads.

Handle: Iron wing-nut as shown regularly furnished. **ROUND WOOD HANDLES AS SHOWN ON OUR STYLE NO. 45 FURNISHED WITHOUT EXTRA COST IF SPECIFIED.**

Swivel: EXCLUSIVE patented "Jorgensen" with steel internal tooth washers for positive "stay on" power (See page 21 for full description).

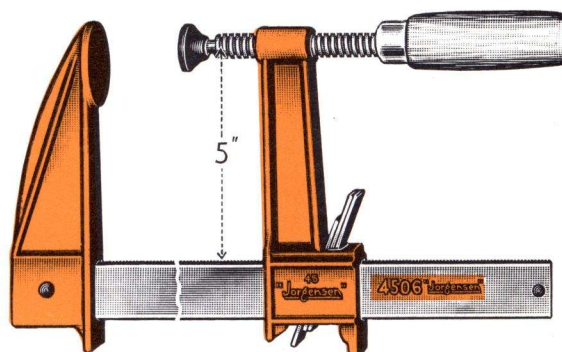
Jaw Reach: $2\frac{3}{4}$ " from edge of bar to center-line of screw. Clamping face $1\frac{1}{8}$ " wide.

Load Limit: Normal load limit, 2,400 lbs.

NOTE: See page 30 for "JORGENSEN" Edge-Clamp Fixtures for use with Style No. 43 Clamps.

stock no.	maximum opening capacity, inches	shipping weight per dozen
4306	6	48 lbs.
4308	8	50 lbs.
4312	12	56 lbs.
4318	18	60 lbs.
4324	24	68 lbs.
4330	30	76 lbs.
4336	36	84 lbs.

Packed one-half dozen per bundle. Special lengths to order.



U. S. Pat. Nos. 1,783,713—2,815,778

STYLE NO. 45

with instant-acting MULTIPLE-DISC-CLUTCH
(patented "extended" clutch-disc design)

WORKING ADVANTAGES

Still greater "reach" is afforded in this design, the screw being 5" from the edge of the bar. All of the adjustment is made from the sliding-head casting, leaving the opposite end free for work in close quarters or "inside." The head is never loose on the bar—stays put even under no-load, but adjusts instantly. Widely used in place of "C" clamps. The "MULTIPLE-DISC-CLUTCH" grips the bar automatically at any point—will not slip—easily released—permits the sliding-head to be zipped to position against the work, the screw being used only to apply or release final pressure. Clutch discs are reversible, or easily replaced at low cost if ever necessary.

SPECIFICATIONS:

Bar: $1\frac{3}{8}$ " x $\frac{5}{16}$ " round-edge HIGH CARBON (SPRING) STEEL, without notches or other deformity—tensile strength over 100,000 lbs. per sq. in. "Stock number" rolled into bar for easy and permanent identification.

Castings: Best grade MALLEABLE IRON, orange-color baked enamel finish. HARDENED STEEL Clutch Discs, plated, reversible.

Screw: COLD-DRAWN STEEL, $\frac{5}{8}$ " dia. with deep, smoothly cut threads.

Handle: Round wood handle as shown regularly furnished. **IRON WING-NUT HANDLES AS SHOWN ON STYLE NO. 43 FURNISHED WITHOUT EXTRA COST IF SPECIFIED.**

Swivel: EXCLUSIVE patented "Jorgensen" with steel internal tooth washers for positive "stay on" power (See page 21 for full description).

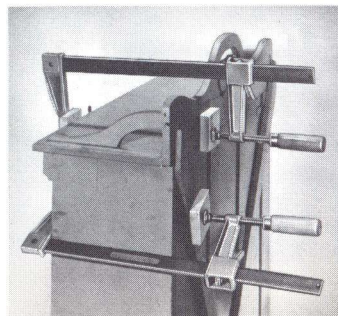
Jaw Reach: 5" from edge of bar to center-line of screw. Clamping face $1\frac{1}{8}$ " wide.

Load Limit: Normal load limit, 1,600 lbs.

NOTE: See page 30 for "JORGENSEN" Edge-Clamp Fixtures for use with Style No. 45 Clamps.

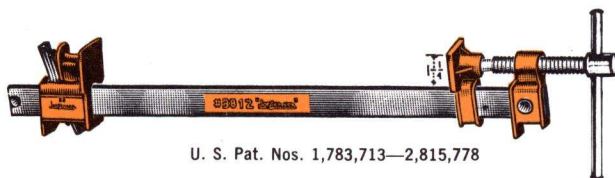
stock no.	maximum opening capacity, inches	shipping weight per dozen
4506	6	58 lbs.
4508	8	60 lbs.
4512	12	64 lbs.
4518	18	68 lbs.
4524	24	76 lbs.
4530	30	84 lbs.
4536	36	92 lbs.

Packed one-half dozen per bundle. Special lengths to order.



"Jorgensen"

STEEL BAR CLAMPS



U. S. Pat. Nos. 1,783,713—2,815,778

STYLE NO. 38

with instant-acting MULTIPLE-DISC-CLUTCH
(patented "extended" clutch-disc design)

WORKING ADVANTAGES

A "joiners" bar clamp of low "reach," recommended for edge-gluing and other light assembly operations on all materials where great pressure is not required. Relatively light in weight and instantly adjustable to the work—fast and easy to handle—cost much less than heavier clamps. The "MULTIPLE-DISC-CLUTCH" grips the bar automatically at any point—will not slip—is easily released—permits the tail-stop to be zipped to position against the work, the screw being used only to apply or release final pressure. Clutch discs are reversible, or easily replaced at low cost if ever necessary.

SPECIFICATIONS:

Bar: 1" x 3/8" round-edge HIGH CARBON (SPRING) STEEL, without notches or other deformity—tensile strength over 100,000 lbs. per sq. in. "Stock number" rolled into bar for easy identification.

Castings: Best grade MALLEABLE IRON, orange-color baked enamel finish. HARDENED STEEL Clutch Discs, plated, reversible.

Screw: COLD-DRAWN STEEL, 1/2" dia. with deep, smoothly cut threads.

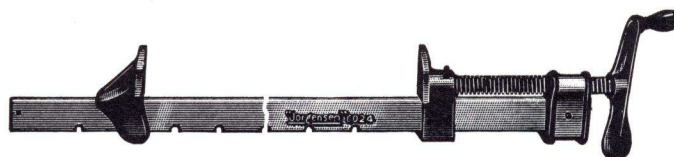
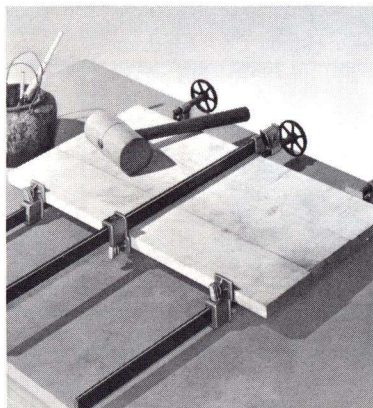
Handle: Sliding VISE-TYPE.

Jaw Reach: 1 1/4" high, 1 1/2" wide.

Load Limit: Normal load limit, 3,000 lbs.

stock no.	maximum opening capacity, inches	shipping weight per dozen
3818	18	38 lbs.
3824	24	42 lbs.
3830	30	46 lbs.
3836	36	50 lbs.

Packed one-half dozen per bundle. Special lengths to order.



STYLE NO. 60

spring steel—notched bar design

WORKING ADVANTAGES

Many users still prefer the "notched bar" design of steel bar clamp over the more modern rapid-acting designs. Our Style No. 60 is a long-time favorite—simple in design, easy to operate, and with a minimum number of parts. It is manufactured with the same care, and of the same highest quality materials, as will be found in our other more modern designs.

SPECIFICATIONS:

Bar: 1 3/8" x 5/8" round-edge HIGH CARBON (SPRING) STEEL, tensile strength over 100,000 lbs. per sq. in. "Stock number" rolled into every bar for easy and permanent identification.

Castings: Best grade MALLEABLE IRON, black baked enamel finish.

Screw: COLD-DRAWN STEEL, 5/8" dia. with deep, smoothly cut threads. HARDENED STEEL THRUST BEARING in sliding head prevents wear at point of screw.

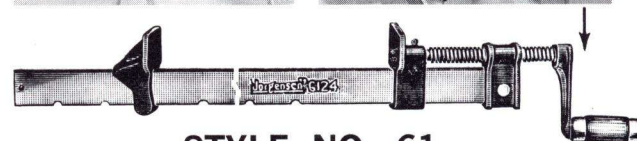
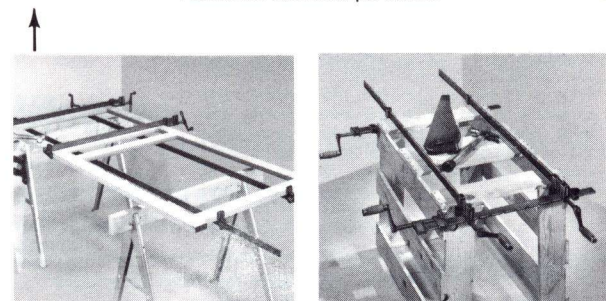
Handle: One-piece MALLEABLE IRON, short-throw balanced type—prevents bending of screw by providing leverage for both hands.

Jaw Reach: 1 3/4" high, 1 1/2" wide.

Load Limit: Normal load limit, 4,800 lbs.

stock no.	maximum opening capacity, feet	shipping weight per dozen
6024	2	70 lbs.
6030	2 1/2	78 lbs.
6036	3	86 lbs.
6048	4	102 lbs.
6060	5	118 lbs.
6072	6	134 lbs.
6084	7	152 lbs.
6096	8	170 lbs.

Packed one-half dozen per bundle.



STYLE NO. 61

spring steel—notched bar design

WORKING ADVANTAGES

Style No. 61 is a "notched bar" type of steel bar clamp, of the same design and specifications as Style No. 60 described above, except that it is furnished with "plain crank-type" handle with free-turning hardwood grip 3 1/4" long. The handle casting is one-piece, MALLEABLE IRON; hardwood grip is securely attached, and protected at both ends by extra-heavy steel ferrules.

SPECIFICATIONS: Same as style No. 60 above

stock no.	maximum opening capacity, feet	shipping weight per dozen
6124	2	70 lbs.
6130	2 1/2	78 lbs.
6136	3	86 lbs.
6148	4	102 lbs.
6160	5	118 lbs.
6172	6	134 lbs.
6184	7	152 lbs.
6196	8	170 lbs.

Packed one-half dozen per bundle.

"Jorgensen"

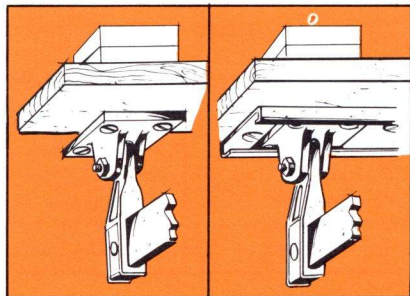
HINGED BAR CLAMPS

swing to clamping position / swing out of the way when not in use

WORKING ADVANTAGES

Hinged bar clamps may be pre-positioned so that they are always available when and where you want them, ready to swing over the work—or out of the way. The swivel-plate mounts onto any flat surface or fits into steel track designed for the purpose . . . under a bench or saw-horse, or on the side, end or top of any work surface or jig.

The hinged principle and "MULTIPLE-DISC-CLUTCH" in the sliding head permit completion of the full clamping cycle with the use of only one hand in a procedure unequaled for speed and positive results.



EXTRA SWIVEL PLATES: No. 2202 Swivel-plates, clamping surface 2" square, complete with hinge-bolts. Fit all sizes. Shipping weight—7 lbs. per dozen.

SPECIAL STEEL TRACK: No. 2203 Steel Track, rust-proof finish, complete with screws ready for mounting. Furnished in 24" lengths only, 2 1/4" wide. Fits all sizes. Shipping weight—18 lbs. per dozen.

SPECIFICATIONS:

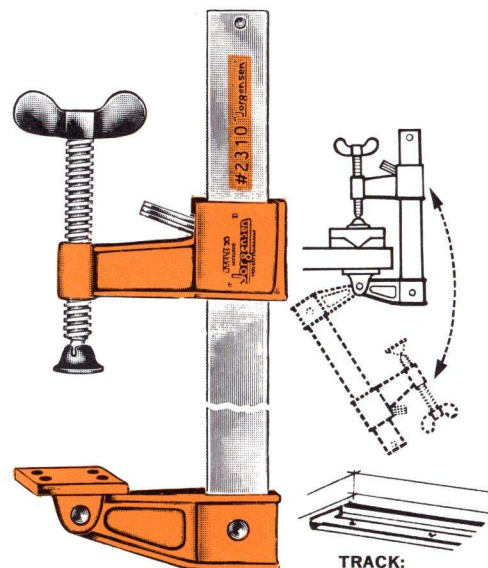
Castings: Best-grade malleable iron, specially treated for great strength.

Screws: COLD-DRAWN steel with deep, smoothly cut threads.

Bars: High-carbon (spring) steel without notches or other deformity. Tensile strength over 100,000 lbs. per sq. in.

Swivel: EXCLUSIVE patented "Jorgensen," with steel internal tooth washers for positive "stay on" power (see page 21 for full description).

The swivel-plate mounts on or under any flat surface . . . or slides in steel track for "side-ways" adjustment. The clamp is removable from the swivel-plate and can be attached to another swivel-plate mounted elsewhere. Extra swivel-plates are available.

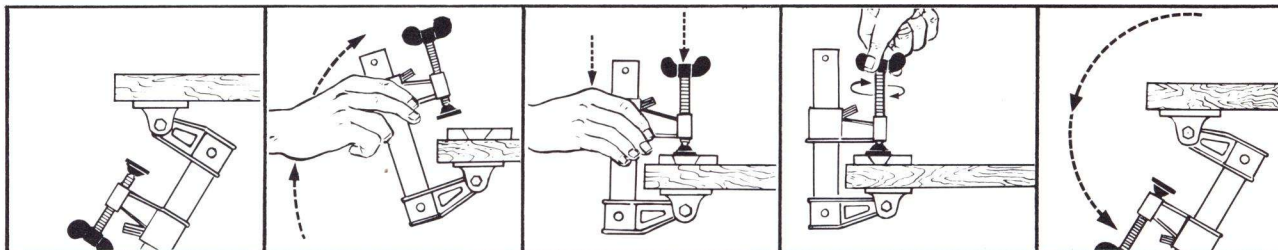


U. S. Pat. Nos. 1,783,712—2,815,778

USES: One or any combination of "Jorgensen" Hinged clamps are ideal for jig or fixture set-ups to perform "repeat" industrial production operations of many types—where speed, efficiency and positive clamping results are important.

	stock no.	maximum opening inches	"reach" inches	shipping weight per dozen	normal load limit lbs.
STYLE NO. 22 BAR: 1" x 5/16" • SCREW: 1/2" dia. Wing-nut type handle.	2206	6	2	32 lbs.	1,800
	2208	8	2	34 lbs.	1,800
	2212	12	2	38 lbs.	1,800
	2218	18	2	42 lbs.	1,800
	2224	24	2	48 lbs.	1,800
	2230	30	2	54 lbs.	1,800
STYLE NO. 24 BAR: 1" x 5/16" • SCREW: 1/2" dia. Round wood handle regularly furnished. Wing-nut handle optional if specified.	2406	6	3 1/2	38 lbs.	1,200
	2408	8	3 1/2	42 lbs.	1,200
	2412	12	3 1/2	46 lbs.	1,200
	2418	18	3 1/2	48 lbs.	1,200
	2424	24	3 1/2	54 lbs.	1,200
	2430	30	3 1/2	60 lbs.	1,200
STYLE NO. 23 BAR: 1 3/8" x 5/16" • SCREW: 5/8" dia. Wing-nut type handle.	2306	6	2 3/4	50 lbs.	2,400
	2308	8	2 3/4	54 lbs.	2,400
	2312	12	2 3/4	58 lbs.	2,400
	2318	18	2 3/4	66 lbs.	2,400
	2324	24	2 3/4	74 lbs.	2,400
	2330	30	2 3/4	82 lbs.	2,400
STYLE NO. 25 BAR: 1 3/8" x 5/16" • SCREW: 5/8" dia. Round wood handle regularly furnished. Wing-nut handle optional if specified.	2506	6	5	62 lbs.	1,600
	2508	8	5	64 lbs.	1,600
	2512	12	5	68 lbs.	1,600
	2518	18	5	72 lbs.	1,600
	2524	24	5	80 lbs.	1,600
	2530	30	5	88 lbs.	1,600

Packed one-half dozen per bundle. Special sizes to order.



Mounted clamp hangs free, out of the way, ready for use.

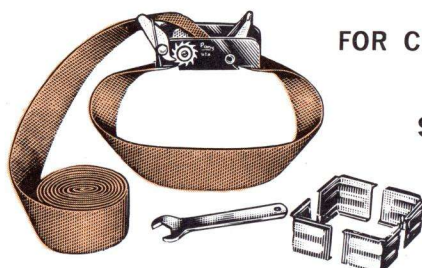
With work in place, the clamp swings into position.

The sliding-head zips against work. Head locks automatically without prior adjustment.

Final screw-pressure is applied by a turn of the screw.

When work is completed, pressure is released and clamp swings out of the way.

"Pony" BAND (web) CLAMP



FOR CLAMPING ROUND OR IRREGULAR SHAPES

STYLE NO. 12
for light service

(furnished complete with four steel "corners" for use in clamping picture frames and similarly mitered joints, and to protect the nylon band)

The Style No. 12 "Pony" Band (Web) Clamp is a lightweight, low-priced clamping device for which the uses are innumerable. The 1"-wide nylon band, placed around any regular or irregular shape, applies clamping pressure all around the work—drum tables, chair frames, picture frames etc. With the band so located, it is drawn snug by hand, and final pressure is applied by means of a wrench (furnished) or screwdriver applied to the hex-head, slotted tightening bolt.

WORKING ADVANTAGES

Positive hold is afforded by the self-locking cam; instant release is accomplished by a flick of the cam — no ratchets or pawls to contend with.

In addition, the Style No. 12 will be found ideal for many other purposes in industrial, farm and home applications — securing bundles, cartons and luggage; or loads on skids or in bales; stacks of cartons or boxes in transit, in factories — most anyplace where objects are to be clamped or temporarily bundled together. No knots to tie or untie — or to slip!

Four cleverly designed steel "corners" are furnished with each clamp to assist in clamping mitered joints, and to protect the nylon band from sharp corners. A small wrench is also furnished to apply final pressure.

SPECIFICATIONS and ORDERING

Special nylon band, 1" wide by 15-feet capacity, will withstand loads up to about 1,000-lbs. All other parts, except the aluminum cam, are of steel, nicely finished and close-fitted.

Stock No. 1215 "Pony" BAND CLAMP complete with 15-feet of nylon band, wrench, and four steel "corners".

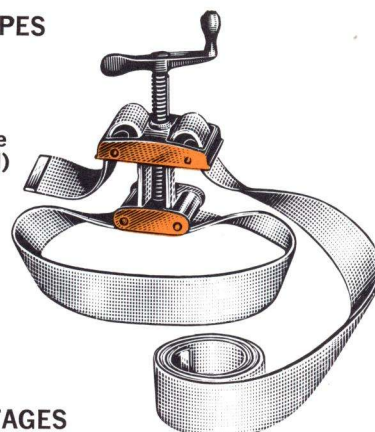
Packed one per box, twelve per shipping carton.

Shipping weight—9-lbs. per dozen.

NOTE: Band can be furnished in special lengths to order. Write for prices.

"Jorgensen" BAND CLAMPS

STYLE NO. 62
for heavy duty service
(canvas or steel band)



WORKING ADVANTAGES

Style 62 solves the special problems of clamping large irregular or round shapes such as furniture frames, aircraft or boat assemblies, tanks or columns. The band encircles the work, is pulled tight from either end through the screw-head. Self-locking cams hold the band securely without slippage while final screw pressure (up to approximately 2,800 lbs.) is applied. Slight pressure on the cam extensions releases the band instantly.

The 2" wide pre-stretched canvas band is recommended for most applications and is furnished unless steel band is specified. It is easy to handle and does not "kink." The 1 3/4" steel band (optional) is for use on round shapes only.

SPECIFICATIONS:

Castings: Best grade MALLEABLE IRON, orange-color baked enamel finish.

Screw: COLD-DRAWN STEEL, 5/8" dia.

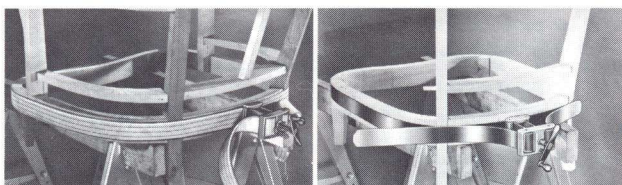
Handle: MALLEABLE IRON, short-throw balanced-type.

Bands: 2" wide pre-stretched canvas regularly furnished. Optional 1 3/4" wide steel band available when specified.

stock no. CANVAS BAND	stock no. STEEL BAND	length of band, feet	ship wt. per doz., lbs.
6210	6210-S	10	61
6215	6215-S	15	64
6220	6220-S	20	67
6225	6225-S	25	70
6230	6230-S	30	73

Packed individually in shelf boxes.

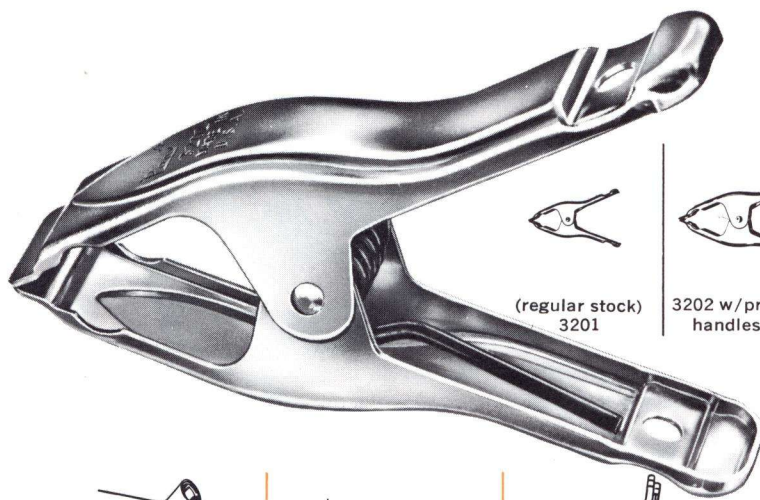
NOTE: Canvas band is always supplied unless steel band is specified. Head-fixture for canvas band and steel band are different. The two types of band are NOT INTERCHANGEABLE on the same head-fixture. A steel band will not work satisfactorily in a canvas band head-fixture, and vice versa. Extra, or special lengths, of either type of band are available at small cost per lineal foot.



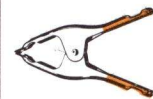
"Pony"

SPRING CLAMPS

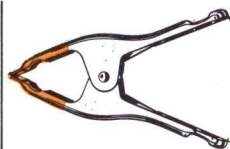
... WILLING, EXTRA HANDS IN ANY APPLICATION



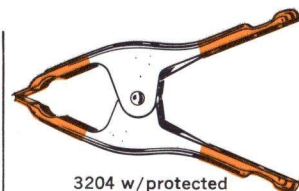
(regular stock)
3201



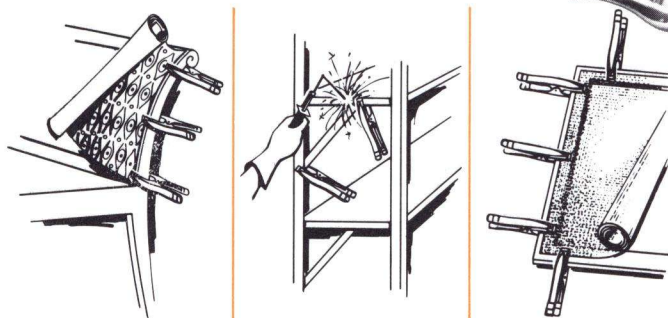
3202 w/protected
handles only



3203 w/protected
tips only



3204 w/protected
handles and tips



WORKING ADVANTAGES:

"Spring" clamps are "extra hands" with strong, untiring fingers that hold work in position indefinitely. They are used in as many different types of applications as the proverbial rubber-band — on wood, metal, fabrics, or plastics—anyplace where spring-pressure is adequate, and especially where fast application to and removal from the work is advantageous.

POLY-VINYL "protective" sleeves are optional on handles and/or tips—all sizes!

"PONY" Spring Clamps are now offered in a modern, highly engineered design to provide these definite, practical advantages over those of old, conventional form:

- The "spread" between handle-ends at "jaws closed" position is minimized; this is especially important to the user who applies spring clamps to the job frequently or continuously.
- Handle contours are noticeably more comfortable in the hands — also of extreme importance to the frequent user.
- At "full opening" capacity the jaws are parallel; they are not "beyond" parallel, and consequently will not tend to slip off the work at full opening.
- The "engineer-designed" handles will not tend to slip out of the hand(s) while the clamps are being applied or removed.
- The point-of-pressure remains at the tips of the jaws at full opening — pressure is applied where the user wants it to be.
- They are offered in the full range of **four** sizes.
- They are offered with complete options of poly-vinyl "protected" handles, or "protected" tips, or **both**, on all four sizes.
- The jaws of Nos. 3202, 3203 and 3204 are shaped to accommodate rounded objects.



stock no.	description	maximum opening capacity between jaws, inches	length of jaws, overall, inches	nominal "reach" onto work, inches	shipping weight per dozen, pounds
3201	(regular stock)	1	4	1¼	2
3201-H	w/protected handles only	1	4	1¼	2
3201-T	w/protected tips only	1	4	1¼	2¼
3201-HT	w/protected handles & tips	1	4	1¼	2¼
3202	(regular stock)	2	6	2	4½
3202-H	w/protected handles only	2	6	2	4½
3202-T	w/protected tips only	2	6	2	5
3202-HT	w/protected handles & tips	2	6	2	5
3203	(regular stock)	3	9	3	10½
3203-H	w/protected handles only	3	9	3	10½
3203-T	w/protected tips only	3	9	3	11
3203-HT	w/protected handles & tips	3	9	3	11½
3204	(regular stock)	4	12	4	16
3204-H	w/protected handles only	4	12	4	16
3204-T	w/protected tips only	4	12	4	17
3204-HT	w/protected handles & tips	4	12	4	17½

Nos. 3201 and 3202 packed one dozen per shelf box. Nos. 3203 and 3204 packed one-half dozen per shelf box.

NOTE: Nos. 3201, 3202, and 3203, including the "protected" numbers shown above, are subject to discount in quantities, BULK PACKED, in lots of 100 pieces or more of a size.

SPECIFICATIONS:

Jaws: Cold-finished steel, heavily plated for smooth finish and to prevent rust.

Spring: Tempered steel, designed for maximum convenient, adequate pressure. ("Extra-light" or "extra-heavy" springs can be furnished on special order, in substantial quantities only.)

Tips: Designed so that point-of-pressure is at the jaw-end at any opening within nominal clamp capacity. OPTIONAL POLY-VINYL PROTECTIVE SLEEVES furnished if specified. (See Table, left.)

Handles: Contoured to provide utmost comfort to the hands, to prevent tendency to slip out of the hands in application, and to minimize "spread" between jaws at jaws-closed position. OPTIONAL POLY-VINYL PROTECTIVE SLEEVES furnished if specified. (See Table, left.)

"Jorgensen" and "Pony" "C" CLAMPS

PROPERLY PROPORTIONED, BALANCED AND MANUFACTURED FOR GREATEST POSSIBLE STRENGTH AND ULTIMATE VALUE

Because "C" clamps are so readily available and commonly used, they are all too often "taken for granted." They are produced by a variety of manufacturers, of a variety of materials, and in a variety of designs. As a result, characteristics in service, and actual "quality," vary to a considerable degree. Therefore, proper consideration of the "C" clamps to be purchased, in relation to the work which they will be called upon to perform, will make for greatest ultimate economy and satisfaction.

Before purchasing your "C" clamps, give careful consideration to the factors listed below:

First, determine if a "C" clamp is the proper tool for the work. In many instances, a Handscrew or a Bar Clamp will do the work better and more conveniently—saving time, reducing spoilage, and improving results.

If the use of "C" clamp is indicated, make your selection from those shown in this catalog, noting the difference in performance possibilities, and choosing clamps which are designed to do the job.

Note that all "JORGENSEN" and "PONY" "C" Clamps have frames of engineered design, with weight properly distributed for greatest possible strength.

Consider the material of which the frame is made. All "JORGENSEN" and "PONY" "C" clamp frames are made of only best-grade iron or steel, carefully heat-treated.

Note that the "C" clamps shown in this catalog all are furnished with carefully machined, full diameter screws, with thread-design of proven durability in clamping service.

SPECIFIC SUGGESTIONS FOR SELECTING, USING, AND CARING FOR "C" CLAMPS

Use the proper size "C" clamp. A "large" clamp on "small" work throws an abnormal bending strain onto the clamp screw and frame (see drawing A).

Use "C" clamps having as small a depth of throat, or "reach," as your work will permit. The greater the depth of throat, the greater the leverage on the clamp frame by the same force at the screw (see drawing B).

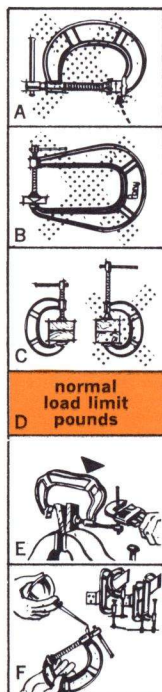
Specify "full length" screws on the larger sizes of "C" clamps only when unusual conditions require them. On work of the proper size for a "large" clamp, the longer screw will extend out so far as to be a distinct annoyance. Also, you will not be burdened with the 20% extra-charge for such "full length screws" (see drawing C).

Select "C" clamps designed to take the load intended. Refer to "load limit" columns (as shown in D, right).

Any "mechanic" can wreck the best clamp made—if he uses a wrench or bar long enough! (see drawing E).

A drop of oil on the clamp screw now and then, and handy storage racks (see page 30) for clamps not in actual use, will do much to prolong clamp life (see drawing F).

In comparing original cost, or "price," of the "C" clamps you are going to order, make "ultimate value" the basis for final selection. "Cheap" clamps usually turn out to be the most expensive ones!



NEW "JORGENSEN" SWIVELS STAY ON EVEN UNDER MOST SEVERE SERVICE



U. S. Pat. No. 3,151,897

Practically all "Jorgensen" "C" clamps are equipped with the new "Jorgensen" swivel, an improvement tested in service to prove its "stay on" power. Steel internal tooth washers inside the swivel provide positive and lasting resistance against sideways pressure or reverse pull. This patented swivel will stay on even under extreme service.



Ideal as a replacement part

Because these swivels, unlike any others, can be assembled onto the screw simply by using the clamp's own screw-pressure, they make replacement easy on older styles of "Jorgensen" and other makes of clamps with the "ball diameters" shown in table below.

Snap right on with hand pressure only

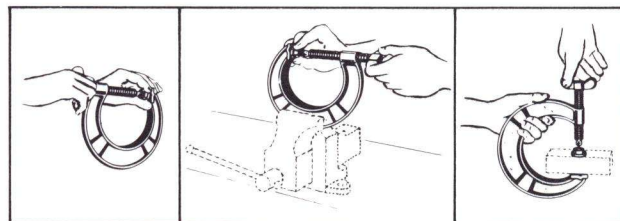


Fig. 1

Fig. 2

Fig. 3

Fig. 1. If clamp screw is full-length, place the swivel against the foot of the clamp and apply screw-pressure until the swivel snaps into position over the ball tip of the screw.

Fig. 2. For convenience, the clamp may be placed in a vise while pressure is applied.

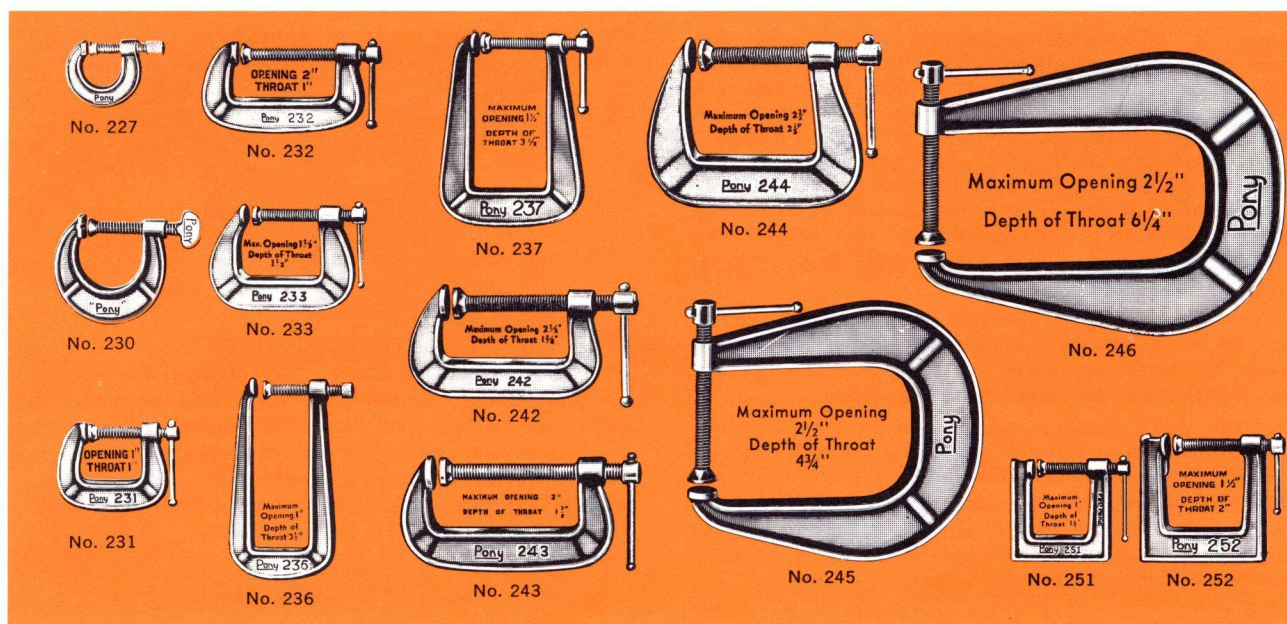
Fig. 3. If the clamp screw is not full-length, the edge of a work table, or a block, may be used to position the swivel so that screw-pressure can be applied.

STYLE No. 10 "Jorgensen" SWIVELS

part no.	diameter of swivel face.	clamp screw major dia.	clamp screw "ball" dia.	ship. wt. per doz.,
1042 swivel	1"	1/2" or 9/16"	.395-.400 (25/64")	12 oz.
1045 swivel	1 1/4"	1/2" or 9/16"	.395-.400 (25/64")	16 oz.
1046 swivel	1 1/4"	5/8"	.452-.457 (29/64")	20 oz.
1048 swivel	1 3/8"	3/4" or 13/16"	.570-.575 (37/64")	34 oz.
1048-V swivel (V-notched)	1 3/8"	3/4" or 13/16"	.570-.575 (37/64")	34 oz.

"Pony"

"C" CLAMPS style 200



Here is a line of small "C" clamps designed and manufactured to meet the demanding requirements of "industrial" service. They are low in price, but are produced with *quality* first in mind—an unusual feature in clamps of this class. These "Pony" "C" clamps should not be confused with "ordinary" small "C" clamps.

stock no.	maximum opening, inches	extreme depth, inches	diameter of screw, inches	ship. wt. per doz. pounds	type of handle
227	5/8	7/8	No. 12	1 1/4	Knurled
230	1 1/4	1 3/8	5/16	3	Thumbscrew
230-X	1 1/4	1 3/8	5/16	3	Knurled
231	1	1 1/8	1/4	2 1/4	Sliding pin
231-O	1	1 1/8	1/4	2 1/4	Thumbscrew
231-X	1	1 1/8	1/4	2 1/4	Knurled
232	2	1	5/16	3 1/2	Sliding pin
232-O	2	1	5/16	3 1/2	Thumbscrew
232-X	2	1	5/16	3 1/2	Knurled
233	1 1/2	1 1/2	5/16	3 1/2	Sliding pin
233-O	1 1/2	1 1/2	5/16	3 1/2	Thumbscrew
233-X	1 1/2	1 1/2	5/16	3 1/2	Knurled
236	1	3 1/2	1/4	3 1/2	Knurled
237	1 1/2	3 1/2	5/16	5 1/4	Sliding pin
237-O	1 1/2	3 1/2	5/16	5 1/4	Thumbscrew
237-X	1 1/2	3 1/2	5/16	5 1/4	Knurled
242	2 1/2	1 3/8	3/8	6	Sliding pin
242-O	2 1/2	1 3/8	3/8	6	Thumbscrew
242-X	2 1/2	1 3/8	3/8	6	Knurled
243	3	1 3/8	7/16	8	Sliding pin
244	2 1/2	2 1/2	3/8	11	Sliding pin
244-O	2 1/2	2 1/2	3/8	11	Thumbscrew
244-X	2 1/2	2 1/2	3/8	11	Knurled
245	2 1/2	4 3/4	3/8	23	Sliding pin
245-O	2 1/2	4 3/4	3/8	23	Thumbscrew
245-X	2 1/2	4 3/4	3/8	23	Knurled
246	2 1/2	6 1/4	3/8	28	Sliding pin
246-O	2 1/2	6 1/4	3/8	28	Thumbscrew
246-X	2 1/2	6 1/4	3/8	28	Knurled
251	1	1 1/2	1/4	2 1/2	Sliding pin
251-O	1	1 1/2	1/4	2 1/2	Thumbscrew
251-X	1	1 1/2	1/4	2 1/2	Knurled
252	1 1/2	2	5/16	4	Sliding pin
252-O	1 1/2	2	5/16	4	Thumbscrew
252-X	1 1/2	2	5/16	4	Knurled

Packed one-dozen per shelf box, except No. 245 and No. 246 which are packed one-half dozen per shelf box. WE DO NOT BREAK BOXES.

SPECIFICATIONS:

Handles: On most sizes, "optional" designs of screw-handles are available if ordered.



Form T—the most popular "sliding-pin" type.



Form X—the round, "knurled" type.



Form O—the "thumb-screw" type

In the table (left), the design of screw-handle "regularly" furnished on any particular number is indicated in the column farthest to the right, opposite the plain 3-digit stock number. If "optional" designs of screw-handles are available, the suffix "O" or "X" has been added to the regular 3-digit stock number.

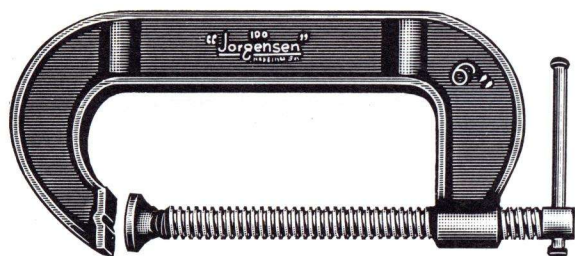
Frames: Correctly designed, liberally proportioned, ribbed to resist side strains, SPECIALLY TREATED for greatest possible strength. All parts attractively plated—rust-proof. Long screw bearing—foot machined plane. Will not "break."

Screws: STEEL, full diameter, standard threads, nicely fitted.

Swivels: TURNED STEEL, securely fastened to screw, revolve freely.

NOTE: Nos. 251 and 252 have wide, machined-flat outside edges so that they will stand up on these edges to support the work "clear" of the table or other surface, for drilling, soldering and other operations. Nos. 245 and 246 are very strong, considering their deep throat. Proof-tests on both sizes is 1600 lbs. or more. On all sizes, depth of throat is measured from the centerline of the screw to the edge of the frame at mid-opening.

"Jorgensen" "C" CLAMPS



STYLE NO. 1 — "Carriage" Clamp

The most generally used "C" clamp, made to "industrial" standards, economical to buy and use.

WORKING ADVANTAGES

Probably the most universally used general purpose clamps are the so-called "carriage clamps" which are offered by a variety of manufacturers. Naturally, quality varies considerably, so that it is very important to check carefully the quality of clamps you order. Style No. 1 "Jorgensen" Carriage Clamps are offered as a definite improvement over any other similar clamps in the same price class. We invite you to make your own comparisons, not only on the basis of price, but also noting the following distinctive features of the "Jorgensen."

SPECIFICATIONS:

Frames: Correctly designed, liberally proportioned, ribbed to resist side strains. SPECIALLY TREATED for greatest possible strength. Longer screw bearing—broader foot, machined plane. V-notch in foot permits clamping corners or rounded sections without the addition of "special attachments."

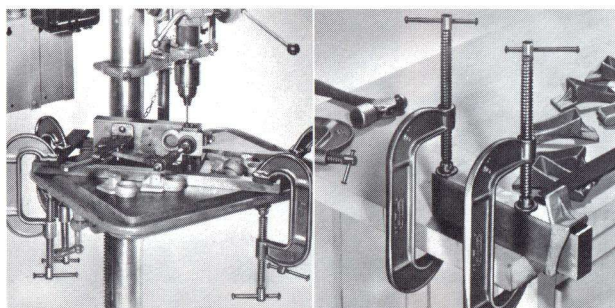
Screws: COLD-DRAWN STEEL, of more than adequate diameter, without surface "scale." Deep, smoothly cut threads, nicely fitted.

Handle: Sliding VISE-TYPE regularly furnished. Broad wing-nut design optional without extra charge if specified.

Swivel: EXCLUSIVE patented "Jorgensen," with steel internal tooth washers for positive "stay on" power (see page 21 for full description).

stock no.	opening— inches		depth of throat—in.	diameter of screw, inches	ship. wt. per doz. pounds	normal load limit pounds
	max.	min.				
102	2½	Close	1¾	9/16	15	1400
103	3	Close	1⅞	9/16	18	1800
104	4	Close	2⅞	5/8	26	2200
105	5	Close	2½	5/8	30	2300
106	6	Close	2¾	5/8	38	2400
108	8	Close	3¼	3/4	56	2800
110	10	2	3⅝	13/16	84	3000
112	12	4	3⅝	13/16	92	3200
112-X	12	4	6	13/16	104	1800

All sizes packed one-half dozen per shelf box, or solid-fibre carton.



"Jorgensen" "C" CLAMPS



STYLE NO. 120 — "Body" Clamp

The greatest value in general purpose "C" clamps

WORKING ADVANTAGES

We believe our Style No. 120 "Jorgensen" to be the greatest possible value in general purpose weight of "C" clamps. They combine extra deep throat (note dimension C in the sketch, and in the table below), unusually great strength for the weight, and low cost! The rounded design of the frames makes for working clearance all around the work—top, back and bottom. The V-notch in the foot of the frame will hold on corners or rounded section without the use of special attachments. Your own careful comparisons will indicate to you the unusual quality and strength offered in the Style No. 120, which heretofore have been available only in clamps of much higher net cost.

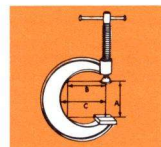
SPECIFICATIONS:

Frame: Correctly designed, liberally proportioned and braced. SPECIALLY TREATED for great strength. Long screw bearing—foot machined plane. Black baked enamel finish.

Screw: COLD-DRAWN STEEL, of adequate diameter, with deep, smoothly cut threads.

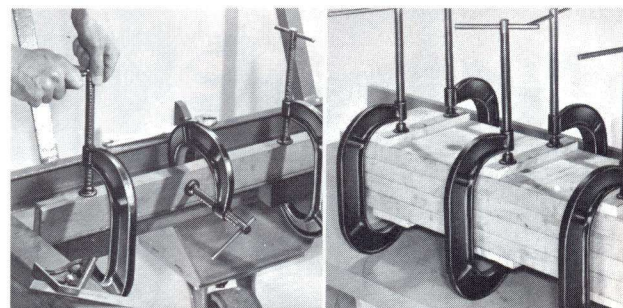
Handle: Sliding VISE-TYPE regularly furnished. "Wing-nut" type handles optional without extra charge if specified.

Swivel: EXCLUSIVE patented "Jorgensen," with steel internal tooth washers for positive "stay on" power (see page 21 for full description).



stock no.	opening capacity (A) inches		depth of throat (B) inches	extreme depth (C) inches	dia. of screw inches	ship. wt. per doz. pounds	normal load limit pounds
	max.	min.					
122	2	0	2	2¾	9/16	20	2,700
123	3	0	2¼	2¾	9/16	26	3,200
124	4	0	2½	3⅞	5/8	34	3,400
125	5	0	3	3⅞	5/8	46	3,500
126	6	0	3¼	3⅞	5/8	48	3,700
128	8	0	3¾	4½	3/4	80	4,500
130	10	2	4	4¾	13/16	106	5,000
132	12	4	4¼	5	13/16	122	5,400

Packed one-half dozen per carton.



"Jorgensen" "C" CLAMPS

(deep-throat design)



STYLE NO. 170

WORKING ADVANTAGES

The unusually deep "throat" (see dimension C in sketch) and extra clearance all around the work make this design ideal for those seeking these features. Considering the depth of throat, Style No. 170 is very strong for its weight. The V-notch in the foot of the frame will hold corners or rounded sections without the use of special attachments.

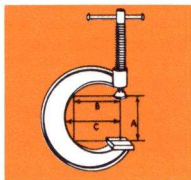
SPECIFICATIONS:

Frame: Best grade MALLEABLE IRON, special analysis, liberal in weight, correctly proportioned. Long-bearing screw assures long life at that point.

Screw: COLD-DRAWN STEEL, $\frac{5}{8}$ " dia., with deep, smoothly cut threads.

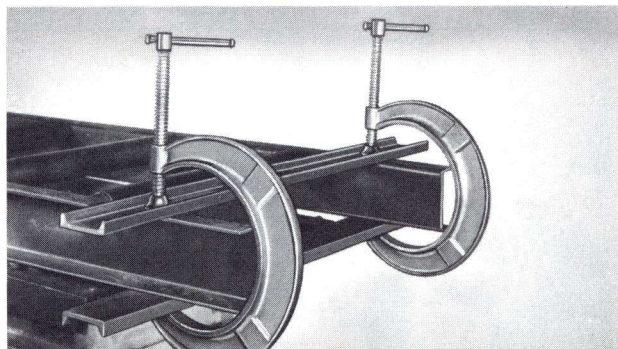
Handle: Sliding VISE-TYPE regularly furnished. "Wing-nut" type handles optional without extra charge if specified.

Swivel: EXCLUSIVE patented "Jorgensen," with steel internal tooth washers for positive "stay on" power (see page 21 for full description).



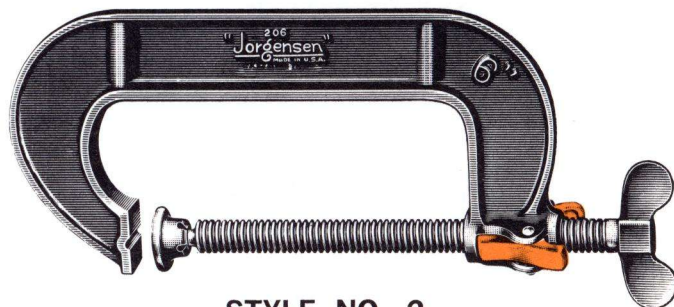
stock no.	max. opening (A) inches	depth of throat (B) inches	extreme depth (C) inches	ship. wt. per doz. pounds	normal load limit pounds
174	4	4	4 $\frac{7}{8}$	42	2,200
175	5	5	6	58	2,000
176	6	6	7 $\frac{1}{8}$	66	1,800

Packed individually.



"Jorgensen" "C" CLAMPS

(quick-acting design)



STYLE NO. 2

WORKING ADVANTAGES

Recommended only where speed of operation is most important, and where for some reason, our instant-acting bar clamps cannot be used. The screw is adjusted to any desired opening simply by pressing the levers. When levers are released, they engage the screw threads and final pressure is applied by turning the handle. The simple mechanism is easy and economical to repair if ever necessary, and this design is offered as one of the few in its field which has withstood the "test of time."

SPECIFICATIONS:

Frame: Best grade MALLEABLE IRON, special analysis, liberal in weight, correctly proportioned, black-baked enamel finish. V-notch in foot holds corners or rounded sections.

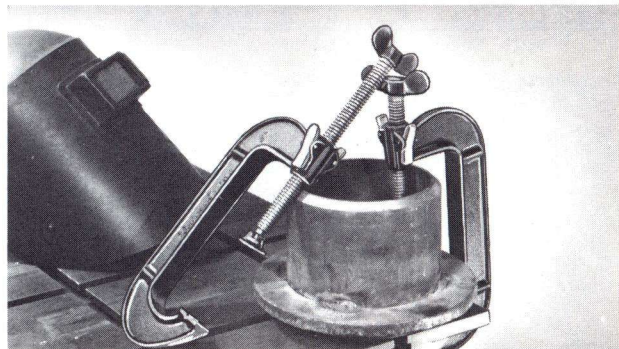
Screw: COLD-DRAWN STEEL, with deep, smoothly cut threads.

Handle: MALLEABLE IRON, shaped to fit the fingers, fitted on.

Swivel: EXCLUSIVE patented "Jorgensen," with steel internal tooth washers for positive "stay on" power (see page 21 for full description).

stock no.	max. opening capacity inches	depth of throat inches	dia. of screw inches	ship. wt. per doz. pounds
206	6	2 $\frac{3}{4}$	$\frac{5}{8}$ "	36
208	8	3 $\frac{1}{4}$	$\frac{5}{8}$ "	56

Packed one-half dozen per carton.

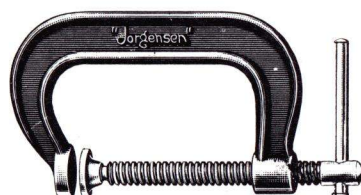


"Jorgensen"

DROP-FORGED STEEL "C" CLAMPS

WORKING ADVANTAGES

"Jorgensen" drop-forged steel "C" Clamps combine great strength with least possible weight by means of drop-forged, heat-treated frames. They will successfully withstand shock and vibration loads. The three designs listed below will meet the most exacting requirements within their respective minimum test-load ratings.



STYLE NO. 4
(regular service)

SPECIFICATIONS:

Frames: STEEL, drop-forged in dies, and heat-treated. Foot is machined plane. Hubs are extra-long, for long wear.

Swivels: Turned STEEL, ball-and-socket type, of exclusive (patent applied for) design, put on to stay! Will not come off even under the most extreme kind of service. No swivels furnished on Style No. 82.

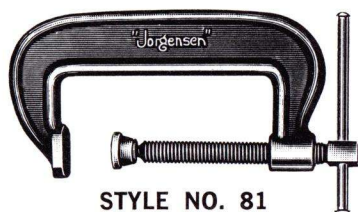
Screws: STEEL, heat-treated, of adequate diameters for the loads intended. Square heads on styles 81 and 82 permit the use of wrenches.

Handles: STEEL, sliding vise-type as illustrated only. Style 82 is furnished with square head on screw only—no handle.

(for "regular" service. Extra deep throat.)

stock no.	opening capacity inches		depth of throat, inches	dia. of screw, inches	ship. wt. per doz. pounds	test load (minimum) pounds
	max.	min.				
401½	1½	0	1¾	¾	6	1,400
402	2	0	2	1½	16	2,700
403	3	0	2¾	1½	24	3,000
404	4	0	2¾	5/8	34	3,700
406	6	0	3¾	¾	58	4,500
408	8	0	4½	¾	86	5,200
410	10	3	5¾	¾	116	6,000
412	12	4	5¾	7/8	160	8,000

Packed one-half dozen per carton.

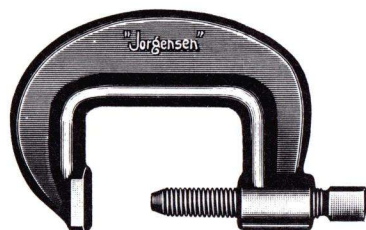


STYLE NO. 81
(medium service)

(for all "medium service" requirements.)

stock no.	opening capacity inches		depth of throat, inches	dia. of screw, inches	ship. wt. per doz. pounds	test load (minimum) pounds
	max.	min.				
8102	2	0	1-1/2	1/2	16	8,750
8103	3	0	2	5/8	32	9,375
8104	4	0	2-3/8	3/4	54	10,000
8106	6	2	2-1/2	3/4	74	11,250
8108	8	4	2-5/8	3/4	80	12,500
8110	10	6	2-3/4	3/4	102	13,750
8112	12	8	2-7/8	7/8	138	15,000
8115	15	10	3-1/16	7/8	184	16,250
8118	18	13	3-1/4	7/8	246	17,500

Packed loose.



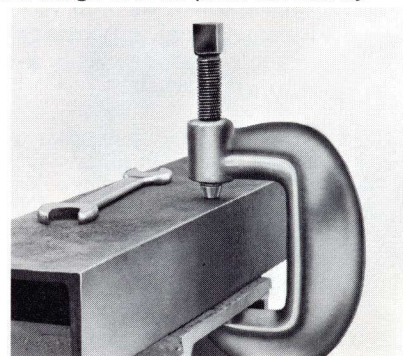
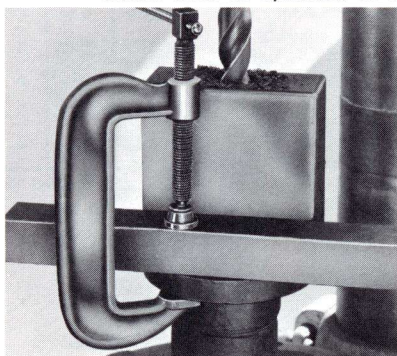
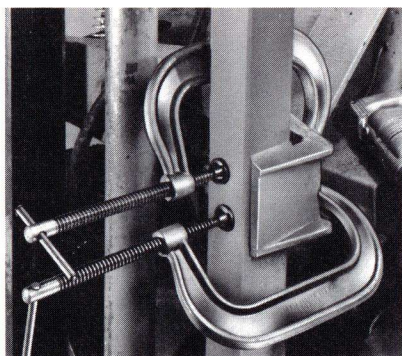
STYLE NO. 82
(heavy duty)

(for extreme, "heavy duty" requirements.)

stock no.	opening capacity inches		depth of throat, inches	dia. of screw, inches	ship. wt. per doz. pounds	test load (minimum) pounds
	max.	min.				
8200	¾	0	¾	3/8	6	2,500
8201	1¼	0	1½	7/16	12	5,600
8201½	1¾	0	1½	9/16	24	8,750
8202	2¼	7/8	1¾	11/16	38	12,500
8203	3¼	1¼	2¼	13/16	78	16,250
8204	4½	1¾	2¾	15/16	118	20,000
8205	5½	2½	3¼	1	170	23,800
8206	6½	3¼	3½	1-1/8	216	27,500
8208	8½	4½	3¾	1-1/4	290	31,250
8210	10½	6	3¾	1-1/4	352	35,000
8212	12½	7½	4	1-1/4	416	40,000

Packed loose.

NOTE: Style No. 82 only, stock nos. 8202 thru 8212, can be furnished with full-length screws when so specified, at additional charge. Write for prices and delivery.



"Jorgensen"

SHIELDED WELDERS' "C" CLAMPS

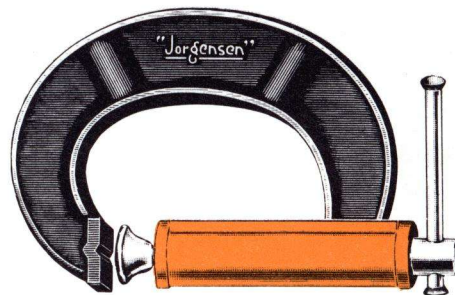
HEAVY STEEL SHIELD PROVIDES **POSITIVE** PROTECTION TO CLAMP SCREW

Here is the ultimate in modern clamping equipment for welding. In welding service, ordinary "C" clamps suffer a high "mortality rate" from "spatter" and other damage to the screw. Several half-way remedies have been advanced—fluxes, plated or alloy screws, internal screws, and the like. All of these result in either purely temporary protection to the screw, or in mechanical disadvantages in the design and operation of the clamp in service. Only Genuine "JORGENSEN" Shielded Welders' Clamps offer a complete, practical and economical solution to the problem. In the exclusive "JORGENSEN" design, a heavy steel Shield is *added* to the conventional-type welders' "C" clamp, over the *full length* of the screw threads. Thus, all the mechanical advantages of the conventional-type "C" clamp are retained, including solid-steel screw and full opening capacity; and the protection afforded to the screw is complete, permanent, non-deteriorating, and **POSITIVE**—a steel barrier is set up between the clamp screw and the potential damage, whether it be "spatter," hammer-blows, or even accidental contact with the torch itself!

In addition, "JORGENSEN" Shielded Welders' Clamps are built from a knowledge of what is expected of clamps in service. Frames are correctly designed, liberally proportioned, braced against side-strains—of a special metal whose strength is not weakened by repeated heating and cooling. Solid steel screws are of more than adequate diameter, with special square threads of proven durability.

"JORGENSEN" Shielded Welders' Clamps have been proven in the hardest kind of service for years, and have earned for themselves such favorable acceptance by those who have used them as to clearly demonstrate their practical value and leadership in their field. And they are not expensive—actually, they will be found to cost less, and serve better, than other clamps in the same service-class which may provide no real protection to the clamp screw at all! Any welding operation not now equipped with "JORGENSEN" Shielded Welders' Clamps will do well to consider the practical and economical advantages they offer—in which case their comparatively low price will make them doubly attractive!

NOTE: See pages 6-7 for Hold-Down Clamps, and the following page 27, for other "C" Clamp styles, specially shielded for welding.



U. S. Pat. Nos. 2,221,326—2,512,528

STYLE NO. 120-S

WORKING ADVANTAGES

For all "general service" requirements. Combines "regular service" weight and load-capacities with more than ordinary value. The exclusive "JORGENSEN" Shield over the screw affords **POSITIVE** protection against damage to the screw threads. Repeated heating and cooling will not weaken the frame—a V-notch in the foot permits clamping corners or rounded sections. The design of the frame permits extra working clearance all around the work—note the "extreme depth" (dimension "C") in the table below.

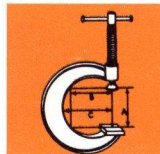
SPECIFICATIONS:

Frame: Correctly designed, proportioned, braced. **SPECIALLY TREATED** for great strength. Long screw bearing—foot machined plane. Black baked enamel finish.

Screw: COLD-DRAWN STEEL, full diameter, with deep, smoothly cut threads.

Handle: Sliding VISE-TYPE handles regularly furnished. "Wing-nut" type handles optional if specified.

Swivel: **EXCLUSIVE** patented "Jorgensen" with steel internal tooth washers for positive "stay on" power (see page 21 for full description).



stock no.	opening (A) inches		depth of throat (B) inches	extreme depth (C) inches	dia. of screw inches	ship. wt. per doz. pounds	normal load limit pounds
	max.	min.					
122-S	1 3/4	0	2	2 3/8	9/16	24	2,700
123-S	2 3/4	0	2 1/4	2 3/4	9/16	30	3,200
124-S	3 3/4	0	2 1/2	3 1/8	5/8	42	3,400
125-S	4 3/4	0	3	3 3/8	5/8	52	3,500
126-S	5 3/4	0	3 1/4	3 3/8	5/8	58	3,700
128-S	7 5/8	0	3 3/4	4 1/2	3/4	90	4,500
130-S	9 1/2	2	4	4 3/4	13/16	118	5,000
132-S	11 1/2	4	4 1/4	5	13/16	136	5,400

Packed singly in individual corrugated shelf cartons.



U. S. Pat. Nos. 2,221,326—2,512,528

STYLE NO. 8-S

WORKING ADVANTAGES

A heavy design, featuring the exclusive "JORGENSEN" Steel Shield over the clamp screw to afford POSITIVE protection against "spatter" and other possible damage. Operates like any conventional-type "C" clamp. Repeated heating and cooling will not weaken the frame.

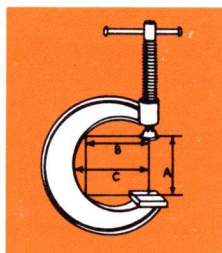
SPECIFICATIONS:

Frame: Correctly designed, proportioned, ribbed — SPECIALLY TREATED for great strength. Long screw bearing—foot machined plane. Black baked enamel finish.

Screw: COLD-DRAWN STEEL, 13/16" dia. with deep, smoothly cut threads.

Handle: Sliding VISE-TYPE handles, to permit working in close quarters.

Swivel: EXCLUSIVE patented "Jorgensen" with steel internal tooth washers for positive "stay on" power (see page 21 for full description).



U. S. Pat. Nos. 2,221,326—2,512,528

STYLE NO. 820-S

WORKING ADVANTAGES

The Style No. 820-S features all of the working advantages of the Style 8-S, except that it provides a relatively deep throat or "reach." In addition, extra working clearance is provided all around the work—note the "extreme depth" (dimension "C") in the table below.

SPECIFICATIONS:

Frame: Correctly designed, proportioned, ribbed — SPECIALLY TREATED for great strength. Long screw bearing—foot machined plane. Black baked enamel finish.

Screw: COLD-DRAWN STEEL, 13/16" dia. with deep, smoothly cut threads.

Handle: Sliding VISE-TYPE handles, to permit working in close quarters.

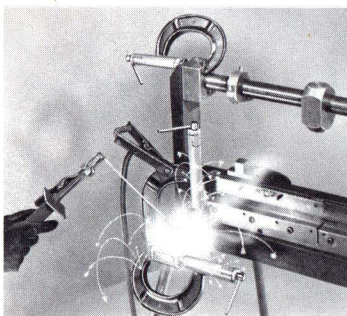
Swivel: EXCLUSIVE patented "Jorgensen" with steel internal tooth washers for positive "stay on" power (see page 21 for full description).

stock no.	opening capacity inches		depth of throat, inches	ship. wt. per doz. pounds	normal load limit pounds
	max.	min.			
802-S	2	0	2½	72	7,200
803-S	3	0	2½	80	7,200
804-S	4	0	2½	88	7,200
805-S	5	0	2½	94	7,200
806-S	6	0	2½	100	7,200
808-S	8	0	2½	108	7,200
810-S	10	0	2½	132	7,200
812-S	12	0	2½	142	7,200

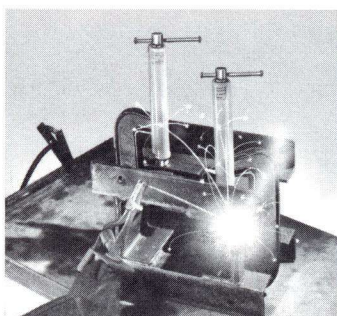
Packed singly in individual corrugated shelf cartons.

stock no.	opening (A) inches		depth of throat (B) inches	extreme depth (C) inches	ship. wt. per doz. pounds	normal load limit pounds
	max.	min.				
824-S	4¼	0	3-7/8	4-11/16	86	7,000
826-S	6	0	4-1/4	5-1/8	108	7,000
828-S	8	0	4-7/16	5-1/4	114	6,000

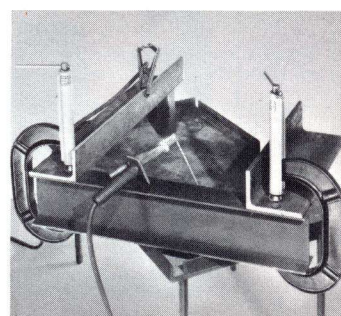
Packed singly in individual corrugated shelf cartons.



Style No. 120-S in service



Style No. 8-S in service



Style No. 820-S in service

"Jorgensen"

"MACHINISTS" "C" CLAMPS

FOR HEAVIER-THAN-USUAL SERVICE



STYLE NO. 8

WORKING ADVANTAGES

Style No. 8 "Jorgensen" is of heavy design and weight, and will provide far greater than ordinary service. It is used extensively in building truck bodies; in structural, boiler and tank fabrication; in holding plate for punching; and in other relatively heavy work such as bending, veneering, gluing forms, and rubber moulding.

SPECIFICATIONS:

Frame: Correctly designed, proportioned, braced. SPECIALLY TREATED for greatest possible strength for the weight. Long screw bearing insures long life. Foot machined to plane surface. Black baked enamel finish.

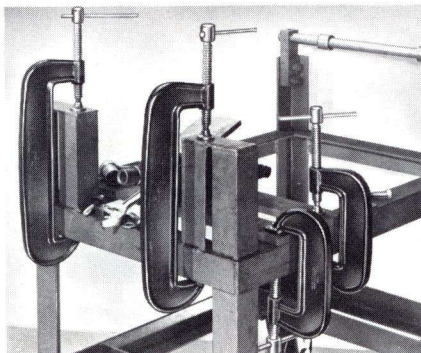
Screw: COLD-DRAWN STEEL. 13/16" dia., with deep smoothly cut threads.

Handle: Sliding VISE-TYPE as shown, permits turning screw in close quarters.

Swivel: EXCLUSIVE patented "Jorgensen" with steel internal tooth washers for positive "stay on" power (see page 21 for full description).

stock no.	opening capacity inches		depth of throat, inches	ship. wt. per doz. pounds	normal load limit pounds
	max.	min.			
802	2	0	2½	64	7,200
803	3	0	2½	72	7,200
804	4	0	2½	76	7,200
805	5	¾	2½	80	7,200
806	6	1¾	2½	84	7,200
808	8	3¼	2½	86	7,200
810	10	5¼	2½	110	7,200
812	12	7½	2½	116	7,200

Packed individually.



STYLE NO. 820

WORKING ADVANTAGES

The Style No. 820 features all of the working advantages of the Style 8, except that it provides a relatively deep throat or "reach." In addition, extra working clearance is provided all around the work. Note the "extreme depth" (dimension C) in the illustration and table below.

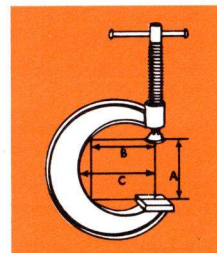
SPECIFICATIONS:

Frame: Correctly designed, proportioned, ribbed. SPECIALLY TREATED for great strength. Long screw bearing—foot machined plane. Black baked enamel finish.

Screw: COLD-DRAWN STEEL, 13/16" dia. with deep, smoothly cut threads.

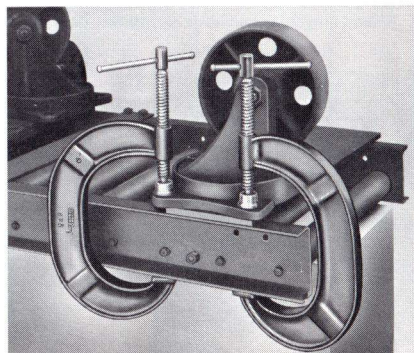
Handle: Sliding VISE-TYPE handles permit work in close quarters.

Swivel: EXCLUSIVE patented "Jorgensen" with steel internal tooth washers for positive "stay on" power (see page 21 for full description).



stock no.	opening (A) inches		depth of throat (B) inches	extreme depth (C) inches	ship. wt. per doz. pounds	normal load limit pounds
	max.	min.				
824	4½	0	3-7/8	4-11/16	74	7,000
826	6¼	1¾	4-1/4	5-1/8	90	7,000
828	8	3¼	4-7/16	5-1/4	94	6,000

Packed individually.



"Jorgensen" and "Pony" PRESS SCREWS and VENEER PRESS FRAMES

HANDY ACCESSORIES FOR MAKING PRESS FRAMES, SPECIAL JIGS—for those "UNUSUAL" JOBS...



STYLE NO. 67

"Jorgensen" PRESS SCREWS

WORKING ADVANTAGES

For making up veneer-press frames, case clamps, panel clamps, or portable or stationary jigs for all types of gluing, welding or other assembly operations. Removable swivel permits easy installation for any job-design changeovers. Threaded nut drives into 1" round hole and may be further secured by screws.

SPECIFICATIONS

Screws: COLD-DRAWN STEEL, 11/16" dia. with deep, smoothly cut threads.

Castings: Best grade MALLEABLE IRON, black baked enamel finish.

Swivel Face: 1 3/8" x 1 5/8".

stock no.	length of screw, inches	shipping weight per doz., pounds
6709	9	22
6712	12	24
6718	18	30

Packed one dozen per shipping carton.



No. 6817



No. 6827

STYLE NO. 68

"Pony" PRESS SCREWS

WORKING ADVANTAGES

A light design, particularly suited for fine veneering and cabinet work, or for making up special press frames or jigs most economically. Removable swivel permits easy installation for any job-design changeovers. Threaded nut drives into 3/4" round hole and may be further secured by screws.

SPECIFICATIONS

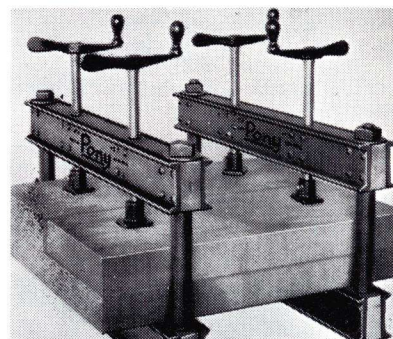
Screws: COLD-DRAWN STEEL, 1/2" dia. with special double-lead threads, 7" long.

Castings: Best grade MALLEABLE IRON, black baked enamel finish.

Swivel Face: 1 1/4" dia.

stock no.	length of screw, inches	shipping weight per doz., pounds
6817	7	12
6827	7	9

Packed one dozen per shipping carton



Two No. 67618 "PONY" Press Frames in service, with hardwood bed and cauls—bed and cauls NOT FURNISHED.

STYLE NO. 676

"Pony" VENEER PRESS FRAMES

WORKING ADVANTAGES

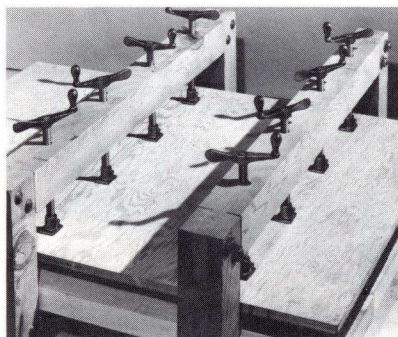
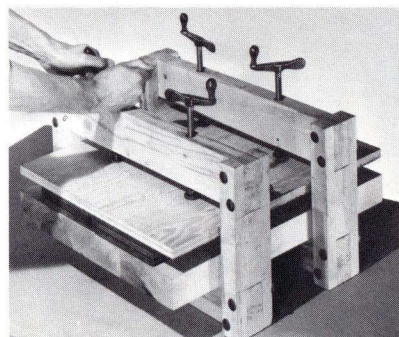
Inexpensive ready-made, semi-portable Press Frames for all types of veneering and other assembly over broad areas. Ideal for the school and home shop—and for industrial short production runs, samples, special jobs and small work, to relieve large, heavy presses. **STRUCTURAL STEEL** beams, with hardwood cores, furnished complete with all necessary Style No. 67 Press Screws.

Two or more frames are required to make up a press—there is no limit to the length of the work that may be handled. For average work, frames should be set about 9" apart; allow one screw for each 80 sq. in. of work—thus, two No. 67618 frames as illustrated, having four screws bearing on the work, will produce very satisfactory results over an area of 320 sq. in.

no.	inside capacity height	width	no. screws per frame	ship. wt. each, lbs.
67618	6"	18"	2	32
67636	6"	36"	4	56

Packed one or more per shipping crate.

NOTE: Write for special bulletin on "HOW TO MAKE AND USE YOUR OWN VENEER PRESS FRAME."



"Jorgensen" EDGE-CLAMP FIXTURES

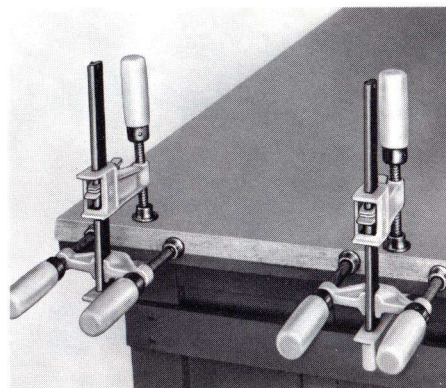
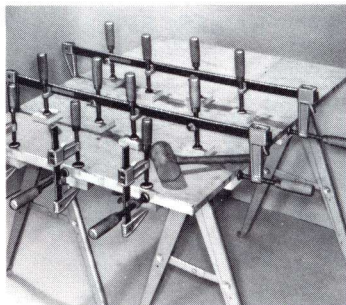
STYLE NO. 64

WORKING ADVANTAGES

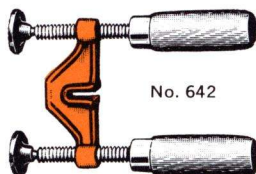
These handy attachments are designed particularly for use with our Styles No. 43 or 45 "JORGENSEN" Deep-Reach Bar Clamps, or with any other bar clamp having a bar not more than 5/16" thick. They provide pressure at right angles to the axis of the bar of the clamp used—for applying moulding to edges, drawing joints together, or for applying pressure to the middle of broad areas. No. 641—single screw design, 5/8" dia. screw. No. 642—double screw design, 1/2" dia. screws, 4" between centers; straddles clamp bar to apply pressure on both sides of bar.

stock no.	length overall, inches	shipping weight per doz., pounds
641	9 1/4	12
642	7 1/2	20

Packed one dozen per carton.

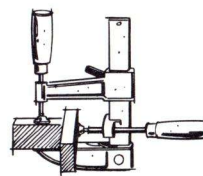


No. 641



No. 642

Drawing a joint together using our Style No. 64 in conjunction with our Style No. 45 "JORGENSEN" Deep-Reach Bar Clamp.



"Jorgensen" MITRE CLAMPS

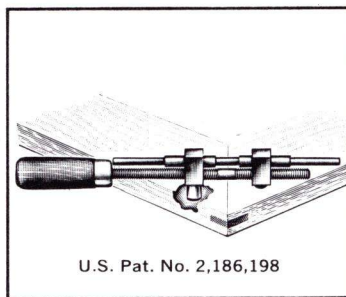
STYLE NO. 63

The Style No. 63 "JORGENSEN" Mitre Clamp is especially designed for mitering flat casings where a 5/8" dia. blind hole can be bored in the back of each piece. It forces the two ends being mitered directly against each other, no matter at what angle, with no tendency for the ends to creep along or away from each other. Easy and quick to operate. Strong, and light in weight.

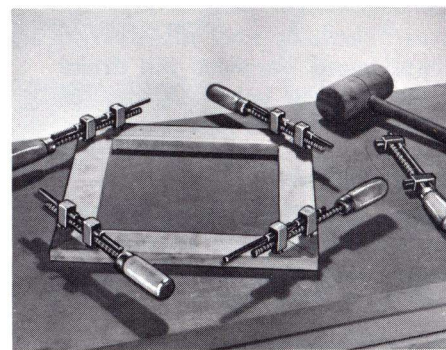
STYLE No. 63 "JORGENSEN"

stock no.	capacity between centers, inches		shipping weight per doz., pounds
	maximum	minimum	
63	6	2	14

Packed individually.



U.S. Pat. No. 2,186,198



"Jorgensen" CLAMP HANGERS

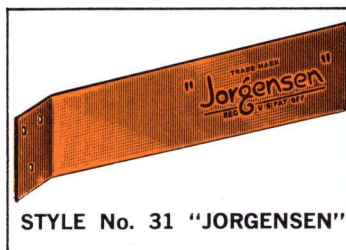
STYLE NO. 31

for display—for keeping "stock"—for storing clamps not in actual use...

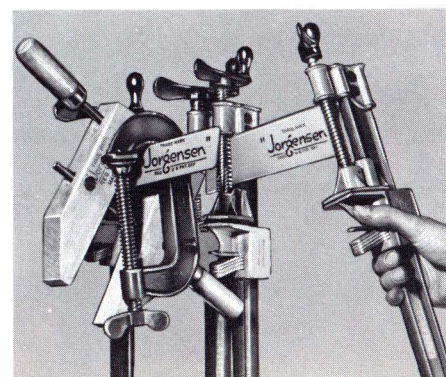
Those who handle clamps will appreciate this convenient means of hanging up such tools—for distributors' stocks, dealers' display, or users' storage. Made of heavy gauge steel, orange baked-enamel finish—furnished complete with mounting screws. Use the No. 3108 for the "lighter" clamps such as our Style Nos. 38, 39, 41, 42, 50, and most "C" clamps. Use the No. 3110 for heavier clamps such as our Style Nos. 40, 70, 60, 61, "JORGENSEN" Handscrews, etc. Priced low for your convenience, and as a service to our customers.

stock no.	length from mounting surface	width, inches	shipping weight per doz., pounds
3108	8"	1 3/4	9
3110	10"	2 1/4	12

Packed one-half dozen per box.



STYLE No. 31 "JORGENSEN"

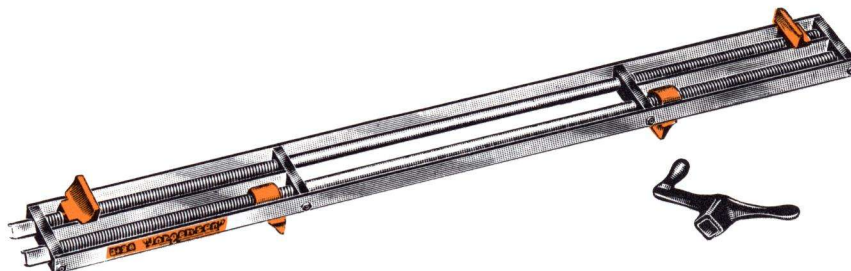


"Jorgensen"

PILING CLAMPS

FOR QUANTITY PRODUCTION OF EDGE-GLUED STOCK, AT LOW COST!

Handle any thickness, width, length or height of pile. NO starting bars, spacers, special fixtures or trucks required.



STYLE NO. 21

The "JORGENSEN" Style No. 21 Piling Clamp provides a most satisfactory and economical method of edge-gluing quantities of stock in a "pile" which may be built up as high as is convenient. The same pile may contain stock of different lengths, widths, or thicknesses—the advantages in the savings of investment, space and time are readily apparent.

The clamp consists of a steel frame, into which is built two independently-operated screws; one screw operates jaws to clamp the work below the clamp itself—the other, to clamp the work above the clamp. Each layer, or "tier," of work therefore is clamped both from above and below, eliminating the tendency for the work to "buckle" if clamped only from one side!

In use, no "starting bars" or "spacers" or special trucks are required. The first clamps are applied to any factory truck or other convenient platform, after which the first layer of work is laid on top of the clamps and pressure is applied. The second layer of clamps is then laid on top of the first layer of work—pressure is applied—and the work is thus clamped from above as well as from below itself. By repeating this process, the "pile" is built to any desired height.

The clamps are all applied from the same side of the pile—there is no "alternating" from one side of the pile to the other; there is no fixed distance between the clamps, and an "extra" clamp may be used wherever required. The work is always centered on the clamps. POSITIVE screw pressure applies the clamping load, and provides for all the "take-up" that may be required, as compared to the limited action of cams or eccentrics as are sometimes used.

Steel side-bars of the clamp frame are 1" high—no matter how thick the work is, there is only 1" between any two layers of work. Screws are $\frac{5}{8}$ " dia. COLD-DRAWN STEEL, with deep, smoothly cut threads of rapid-acting design. Jaws are of best grade iron, with a nominal "reach" of 1". The clamps are simple, easy and fast to operate, and built to stand up in service.



A typical pile, illustrating how easily thick or thin work is accommodated. Each layer of work is clamped from above as well as from below itself. Space occupied by the clamps between layers of work is at a minimum, making for more glued stock per pile. All clamping is done from the same side of the pile—no moving from one side of the pile to the other to apply pressure.

STYLE No. 21 "JORGENSEN"

stock no.	opening between jaws, inches		shipping weight per doz., pounds
	maximum	minimum	
2124	24	6	150
2130	30	12	174
2136	36	18	190
2148	48	30	240
2160	60	42	276
2172	72	54	312

NOTE: One handle is furnished without charge for each dozen of clamps ordered. Extra No. 2104 handles are available if required and specified.

Clamps packed one-half dozen per crate.

"Jorgensen" and "Pony"

ORDERING

PRICES and TERMS

SALES POLICY

SO THAT WE CAN FILL YOUR ORDER QUICKLY AND ACCURATELY . . .

Please order by full catalog stock number

The "stock number" listed in the table shown with each item is a full specification. For instance, Stock No. 7048 is a Style 70 "I"-bar clamp having 48" opening capacity. Specify quantities by "each" or by "dozen"—avoid use of the term "pair," as we might interpret the word differently than you.

Repair parts, if ever required, can be ordered by indicating the stock number of the clamp, and describing the part needed. The "end" spindle and the "middle" spindle of Handscrews are different, and should be specified; each Handscrew has two RH and two LH threaded nuts. Clutch-discs for bar clamps are furnished in "sets"—specify one set for each clamp giving clamp stock number. Order springs separately if required. A "parts" price list is available on request.

We make every effort to maintain the lowest possible prices but owing to possible market changes . . . all prices must be subject to change without notice. Orders will be billed at the lowest consistent price in effect at the time of shipment. Upon receipt of your complete specifications we will gladly quote prices in advance.

Terms of payment are offered to those with approved commercial credit—otherwise, full remittance should accompany the order. Or, if at least one-third of the invoice value is sent with order, we will ship balance COD. On "freight collect" shipments, your order will be routed according to your instructions appearing on it—but without instructions written on the order, our best judgment must be accepted. We reserve the right to route shipments on which the freight charges are for our account. All goods are sold strictly FOB our factory, Chicago. Title and right of possession passes to our customer upon delivery to the carrier in good order at our Chicago factory. Unusual packing or cartage expenses will be charged for at cost. Returned goods are accepted only when authorized by us in advance, and under such conditions as we may consider applicable.

Our product is sold thru established wholesalers and distributors, and their dealers . . . which we consider the most economical and efficient means of distribution . . . resulting in prices and service attractive to all concerned. We cooperate actively with our distributors and their dealers, furnishing them with sales helps, descriptive literature, displays, and such technical information as will enable them to better serve clamp users. "Service and cooperation" are considered by us to be an important part of our product. In return we ask our distributors to maintain adequate stocks to properly serve clamp users, and to order in package quantities of such volume as will justify their preferred position.

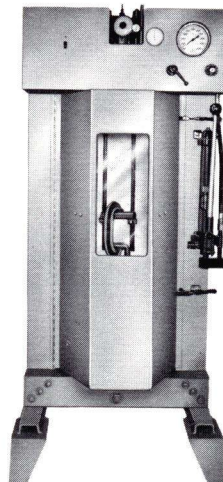
The Strength of the
DESIGN and MATERIALS of

"Jorgensen"

and

"Pony"

clamps is proven . . .



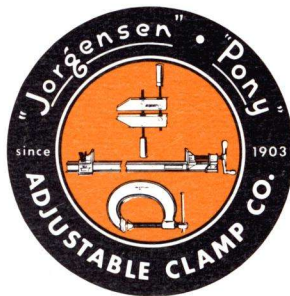
This pulling machine is one of the laboratory-test devices by which clamps of new design, as well as those in regular production are given frequent, rigorous, detailed, break-down tests to maintain and improve the unusual quality-standards for which

"Jorgensen"
REG. U. S. PAT. OFF.

and

"Pony"

Clamps have become so widely and favorably known.



CATALOG No. 20
REVISED JANUARY 1976

ADJUSTABLE CLAMP COMPANY

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(312) MONroe 6-0640